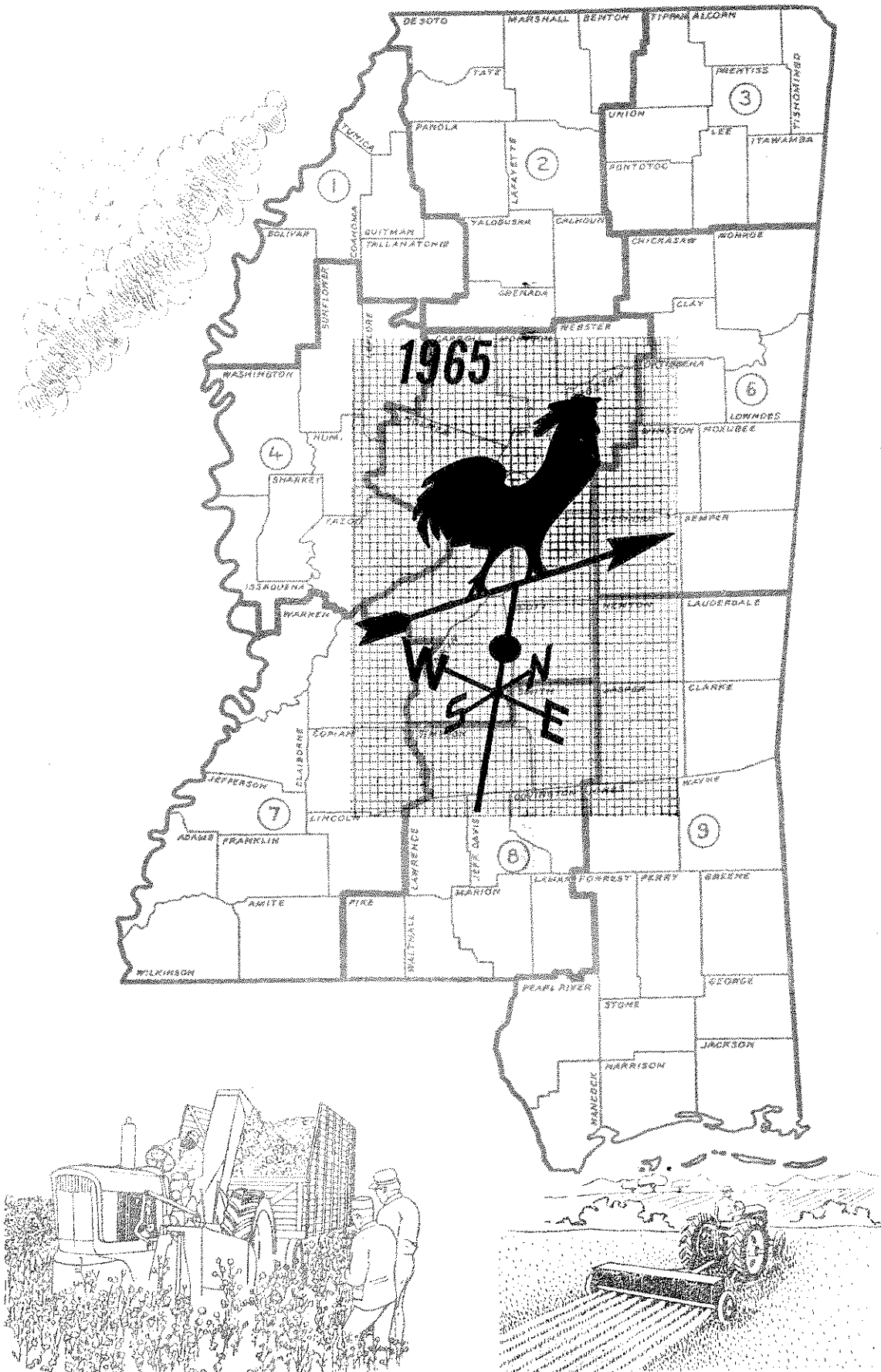


Mississippi

Annual Weather-Crop Summary



MISSISSIPPI
WEATHER-CROP SUMMARY

COMPILED
BY

MISSISSIPPI CROP AND LIVESTOCK REPORTING SERVICE
P.O. BOX 980, JACKSON, MISSISSIPPI
RAY B. CONVERSE, AGRICULTURAL STATISTICIAN IN CHARGE
Luther D. Rives, EDITOR

U.S. DEPARTMENT OF AGRICULTURE
STATISTICAL REPORTING SERVICE
FIELD OPERATIONS DIVISION
RUSSEL P. HANDY, DIRECTOR

MISS. DEPARTMENT OF AGRICULTURE
AND COMMERCE
SI CORLEY, COMMISSIONER

COOPERATING WITH

U.S. WEATHER BUREAU
ALLEN THOMPSON FIELD JACKSON, MISS.
DONALD B. MUNRO, METEOROLOGIST IN CHARGE

Weather data for this publication were furnished by the Weather Bureau State Meteorologist, much of which came from Cooperative Weather Observers.

Crop data for this publication were furnished by County Agents and Soil Conservation Service personnel in the various counties.

Special acknowledgment is given to these Cooperative Weather Observers and County Agricultural workers for their valuable contributions which made this report possible.

Preparation and publication of this report has been made possible in part by funds of the Mississippi Department of Agriculture and Commerce matched with funds from the Consumer and Marketing Service, under provisions of the Agricultural Marketing Act of 1946.

1963 Crop Summary

Soil moisture, which had been a limiting factor to small grains and pasture growth, improved during January 1963, but the accompanying cold weather prevented any rapid improvement. Extreme cold after the middle of the month did extensive damage to oats, ryegrass, and winter wheat. Pastures passed the month in poor condition, and by the month's end, farm supplies of feed grains, hay and roughage were critically short.

The first half of February was unfavorable for plant growth and the planting of cabbage and other early truck crops was delayed during the month by cold wet weather. Pastures remained poor during the month, shortages of roughages and feed grains on farms became worse and the condition of livestock declined. By the end of the month, soil moisture was adequate to excessive over most of the state, but shortages of moisture was reported in the subsoil and many stock ponds were not full.

Warmer weather during the early part of March brought life to small grain fields and ryegrass and clover began growing. With signs that grazing would be available soon, prospects were looking up for livestock farmers. Soil moisture declined during the month and before march was over, it was too dry for plowing in some areas, truck crops were needing rain, and the recovery of pastures was slowed almost to a standstill.

By the end of the first week in April over 15 percent of the state's corn acreage had been planted, about 85 percent of the irish potatoes had been planted, cotton planting had begun all over the state, and sweet potato growers were preparing to set out plants. By the middle of the month, soil moisture had become critically short in southeast Mississippi and was preventing seed germination in some cases.

By the first of May, planting was well ahead of usual. Cotton was about 80 percent planted, corn 65 percent, sweetpotatoes 30 percent, sorghums 28 percent, and soybeans about 14 percent. Cabbage were harvested in the Copiah County area during May, but production was less than had been anticipated earlier due to the drought which had developed over the southern part of the state by this time. By the end of the month 98 percent of the wheat crop was headed and 95 percent of the oats were headed. Combining had begun where the crops were maturing early due to the dry weather.

June began hot and dry with adequate soil moisture only in the northern and north-eastern counties. Before the middle of the month pastures in the southern part of the state were in critical condition and there appeared little chance of recovery. The dry weather aided farmers combining small grains so that the harvest progressed rapidly; however, production was reduced by the winter cold damage and the dry spring. Cotton, corn, and soybeans finished in the month in mostly good condition in the northern half of the state, and mostly poor in the southern half.

Early July brought relief from the drought to most areas of the state but in some southern counties, the showers were too light and too infrequent, while the northern third of the state reported surplus to excessive soil moisture every week of the month.

Cotton improved in the southern part of the state from fair to good, to mostly good; while corn went from poor to fair, to fair to good in that area. Corn and cotton were mostly good to very good in the northern part of the state. At the end of the month, soybeans were mostly very good in the Delta area and mostly good elsewhere.

August was generally dry over the state; however, the northern part of the state which had begun the month with surplus soil moisture came through in better condition than did the southern areas where moisture was short to adequate at the beginning and short to very short before the month's end. Cotton harvest began early due to the drought and by the month's end about 3 percent of the state's cotton crop had been harvested, while 15 percent was open. Corn was about 65 percent mature, and 10 percent had been harvested before the first of September. Soybeans ended the month in mostly good condition, 70 percent had bloomed, 50 percent were podding, 20 percent were turning, and 10 percent were mature.

Cotton harvest picked up during September and by the end of the month, over 30 percent of the crop had been harvested. By this time it was obvious to even the most sceptical observers that this year's crop would set a new yield record. Soybeans generally declined during the month as moisture supplies became shorter. Before the end of the month, 5 percent had been harvested, another 15 percent were mature, 15 percent were shedding, 30 percent were turning and 35 percent were still podding. Corn came through the month in mostly good to very good condition in the northern half of the state and fair in the southern part. By the beginning of October, 25 percent of the corn crop had been harvested, and another 70 percent was mature. Harvest of other crops included sorghums over 50 percent, sweetpotatoes about 30 percent, and hay crops about 85 percent complete.

October saw the state in a drought, which wasn't broken until the last day of the month. Good progress was made in harvesting and by the end of the month 90 percent of the cotton crop, 75 percent of the corn crop, 70 percent of the soybean crop and about 90 percent of the sorghum crop had been harvested. Pecans began falling during the month and it was found that many hadn't filled out properly due to the drought. The drought was bringing distress to farmers who wished to plant small grains and winter pastures as the ground was too dry to plow or plant.

November brought some relief from the drought in the form of showers; however, the rains were generally light enough not to interfere for long with harvesting. Harvest of cotton was almost completed during the month, soybeans and corn harvest was about 95 percent complete by the month's end and harvest of other crops was virtually all completed. Planting of small grains continued past the middle of the month, with earlier planted fields being held back by the lack of soil moisture. Pastures passed the month in poor condition, but livestock managed to remain in fair to good condition.

Early December saw improvements in small grains and winter pastures, brought about by showers the last few days of November and early in December. By this time, more fall plowing had been completed than usual and farmers were still busy cutting stalks, applying lime, and doing more fall plowing. Before the end of the month, ice and snow covered most of the state and cold was now retarding small grains that had been plagued for so long by lack of moisture. Pastures ended the year in poor to fair condition as did livestock.

1964 CROP SUMMARY

JANUARY: Cold weather and snow stopped most farming activities during the first week of January. Wet soils continued through the middle of the month accompanied by cold weather. Pastures were mostly poor and grazing was almost nil. High soil moisture continued to prevent much plowing through the month. Wheat and oats began to improve slightly during the last week of January, but remained mostly poor to fair. Livestock remained mostly fair through the month, but farm supplies of feed grains were beginning to become short in some areas.

FEBRUARY: By the first of February, soil moisture had declined sufficiently to allow some plowing in scattered areas. However, rain in the middle and latter part of the month restricted field activity and only about 20 percent of the plowing for the 1964 crop was completed by the end of February. Winter wheat and oats remained generally fair while pastures improved slightly. Livestock remained mostly poor to fair.

MARCH: March began with warm spring weather that brought out temporary grazing crops and prompted planting of corn, gardens and grasses over the State. Warm weather continued throughout most of the month, but excessive moisture kept farmers behind with field work. Farmers were late with their plowing with only 25 percent completed compared with 50 percent plowing completed at this date a year ago. Pasture and livestock were generally fair through March. Peaches bloomed out and were in generally good condition. Winter wheat and fall oats continued to improve during the month.

APRIL: By the first of April plowing had really picked up, especially in the Delta area. Plowing was 60 percent complete in the Delta area, but only 35 percent complete for the remainder of the State. Soil moisture continued at a surplus over most of the State during the middle of April and caused much delay in planting. By the middle of April only 15 percent of the State's corn acreage had been planted and slightly over 1 percent of the cotton crop was in the ground. In 1963 at this time 42 percent of the corn and 40 percent of the cotton crop had been planted. Planting of corn and cotton stepped up slightly by the end of April, but rains over most of the State interrupted planting again. By the end of April about 25 percent of the corn crop and 15 percent of the cotton crop had been planted.

MAY: The second week in May saw good weather and enabled farmers to make some progress in planting. Flood problems were still causing concern but this was one of the best weeks since spring began. Cotton was reported mostly fair and by the middle of May 90 percent had been planted with 60 percent up to a stand. Corn was 60 percent planted with 50 percent up to a stand and in mostly fair to good condition. At mid-May about 10 percent of the soybean, over 80 percent of the rice, 25 percent of the sorghum and over 25 percent of the sweetpotato crops had been planted. Clear, agreeable weather continued throughout the end of May and permitted farmers in the Delta area to move ahead with the task of their winter wheat and oat crop. Soil moisture had begun to run short when showers helped parched cotton and corn fields. By the end of May cotton planting was complete in most counties with over 90 percent up to a stand and a small amount squaring. Corn was 85 percent planted, 80 percent up to a stand and in mostly fair to good condition. Soybean planting was about 70 percent complete. Rice planting was complete in most Delta counties.

JUNE: The month of June brought a decline in soil moisture but most of the State still maintained sufficient moisture from earlier rains. Below average temperatures during early June retarded cotton growth, but most crops looked better than this time last year. By the middle of June about 75 percent of the State's oats and 65 percent of the wheat crops had been harvested. Thrips began to damage cotton to some extent and corn in scattered South-Central Mississippi areas was being damaged by the Southwestern corn borer. At this date soil moisture was beginning to become short over most of the State and continued this way until the first part of July. By the end of June cotton had improved slightly, but still remained mostly fair to good with 60 percent squaring and 10 percent blooming. Corn planting was practically complete and the crop was in fair to good condition. Soybean planting at this time was being held up for lack of soil moisture. The dry month of June provided excellent conditions for combining and by the end of June wheat and oats were 95 percent harvested. Hay crops continued to be mostly fair to good.

JULY: Badly needed rains were received in early July over several areas of the State, but some areas were still in need of rain. The cotton crop remained fair to good with about 80 percent forming squares and 45 percent blooming during the first week of July. Rains throughout the month continued to build up soil moisture over most areas except in the Delta. By the middle of July cotton began improving with 90 percent forming squares and 65 percent bloomed and setting bolls. Corn responded well and by the middle of July was in mostly good condition with 55 percent silked. Near the end of July field crops were generally good over the State. Soil moisture was short in some Delta areas, but elsewhere moisture was generally adequate. The cotton crop continued to improve through the month and by the last of July 95 percent had set bolls. The corn crop had also made good progress with 90 percent of the crop tasselled. Soybeans were only fair in the Delta where moisture had been short but were generally good elsewhere.

AUGUST: The month of August was generally wet especially in Southern Mississippi where some boll rot was reported. Moisture continued mostly adequate in the Central and Northern part of the State. Cotton conditions remained mostly good through August but boll worms and weevils began building up in many areas. Cotton picking began speeding up by the last of August when about 10 percent had opened. Corn remained mostly good and by the end of August about 70 percent of the crop was in the dent stage. Soybeans remained mostly good with 75 percent bloomed and 85 percent podded. Hay crops, sweetpotatoes, rice and tung nuts carried through August in good condition, while peaches ranged from poor to good. There was a problem with curing hay because of excessive rains in some areas of the State.

SEPTEMBER: Cotton began to open more rapidly during the first of September and by mid month approximately 30 percent had opened. Defoliation and mechanical harvest began to take place. In mid-September, corn over the State was 70 percent mature and 4 percent had been harvested. The State at this time was expecting a record yield per acre for the corn crop. Rains in the middle of the month slowed cotton and hay harvest, but was needed by late soybeans and pastures over most of the State. At this time soybeans were for the most part in good condition with about 80 percent podding, 15 percent turning and 2 percent mature. By the end of the month clear, warm weather had arrived and provided good harvesting opportunities over most of the State. Mechanical pickers kept gins running 24 hours a day. Twenty percent of the cotton crop had been harvested at the end of September and about 65 percent had opened. The corn crop continued to look good with 10 percent harvested and 75 percent matured. Soybeans continued to be fair to good with about 2 percent harvested. Rice appeared to be in good

condition and was about all headed by the end of the month. Tung nuts were in good shape. Pecan trees were carrying fewer nuts than in 1963, but the nuts were better filled out this year.

OCTOBER: The month of October brought with it the worst disaster to crops of the year; "Hurricane Hilda concentrated mostly in the southern part of the State, Hilda flattened out crops and blew down as high as 95 percent of the corn in Marion County. Pecans were nearly all blown on the ground in Coastal areas and many trees were extensively damaged by the high wind. However, most nuts were mature and losses were less than expected. Rains followed Hurricane Hilda and brought harvest to a standstill over nearly all of the State. Cotton was badly damaged by the storm in southern counties. Some counties reported a high percentage blown on the ground. The farmers hurt worse were the ones who had defoliated and were waiting for pickers. By the middle of the month clear weather prevailed and farmers continued with their harvesting. Cotton and corn continued to look good except in the areas hardest hit by Hurricane Hilda. Corn that was blown down was further damaged by rains which followed the hurricane. At the close of October about 95 percent of the cotton crop had opened and 75 percent had been harvested. Soybeans continued to look good with about 50 percent of the crop harvested. Corn was about 60 percent harvested by the end of October.

NOVEMBER: November brought ideal harvesting weather that enabled farmers to bring the cotton harvest up to 90 percent complete at the end of the month. This was about 5 percent less than had been picked at the same date the year before. Winter wheat and fall oats looked fair to good in most places but a shortage of soil moisture retarded growth in some areas. By the end of the first week in November 75 percent of both the winter wheat and oats had been planted. High temperatures and dry conditions dominated November until near the end of the month when rains and cool weather broke summer time temperatures and relieved dry conditions. The rains stopped most field work but farmers had a good harvesting season and harvest of crops was nearly complete. At the end of the month about 80 percent of the pecan crop, and 70 percent of the tung nuts had been gathered. Pastures made the month in mostly fair condition. Farm stocks of feed grains were generally adequate, but shortages were beginning to show up in scattered localities. Livestock was fair to good.

DECEMBER: Soil moisture continued to build up and halted harvesting activities during the first part of December. Cotton remaining in the field was mostly "scrapping" Wet weather continued to near the end of the month and held up most field work and harvesting. Pastures were damaged by cold weather. Some corn was still on the ground in southern areas because of "Hurricane Hilda". Most farmers began to concentrate on care and feeding of livestock. By the end of the month weather conditions were favorable enough for most farmers to complete the harvest of crops still in the field.

CLIMATE OF MISSISSIPPI 1/

RALPH SANDERS, WEATHER BUREAU STATE CLIMATOLOGIST

In its broader aspects the climate of Mississippi is determined by the huge land mass to the north, its subtropical latitude, and the Gulf of Mexico to the south, but modifications are introduced by the varied topography.

The prevailing southerly winds provide a moist, semitropical climate, with conditions often favorable for afternoon thundershowers. When the pressure distribution is altered so as to bring westerly or northerly winds, periods of hotter and drier weather interrupt the prevailing moist condition. The high humidity, combined with hot days and nights in the interior from May to September, produces discomfort at times. The principal relief is by thunderstorms, sometimes accompanied by locally violent and destructive winds.

In the colder season the State is alternately subjected to warm tropical air and cold continental air, in periods of varying length. However, cold spells seldom last over 3 or 4 days. The ground rarely freezes, and then mostly only in the extreme north and only a few inches deep. Although slowly warmed by its southward journey, the cold air occasionally brings large and rather sudden drops in temperature. In winter the Atlantic High is also sometimes located far enough west to serve as a barrier to cold air approaching the State. Most frequently this produces a pattern of warm, clear weather over the southern part of the State with cold, rainy weather to the north of the "front", but occasionally the entire State will be under the balmy influence of this subtropical anticyclone.

Mississippi is south of the average track of winter cyclones, but occasionally one moves over the State. In some winters a succession of such cyclones will develop in the Gulf of Mexico or in Texas and move over or near the State. The winter of 1957-58 was a classic example of a continuing series of Gulf cyclones. The State is occasionally in the path of tropical storms or hurricanes.

Mean annual precipitation ranges from about 50 inches in the northwest to 65 inches in the southeast.

During the freeze-free season rainfall ranges from 23 to 25 inches in the Delta districts to 36 to 38 inches in the southeast.

This distribution discourages the growth of crops with critical water requirements, such as corn in much of the "Delta" and the northeast prairie but is beneficial in particular for cotton. Conversion from crops to cattle in large areas in the north is due at least in part, to insufficient or poorly distributed rainfall in that area. Irrigation is being increasingly practiced because the generous rainfall does not always come in the time of greatest need.

During the winter the precipitation maximum is centered over the northern and western counties (16 to 18 inches) with the minimum (13 inches) on the coast. In summer the maximum shifts to the coastal counties (19 to 21 inches) and the minimum to the Delta counties (9 to 11 inches). The spring and fall patterns are very similar to the summer pattern. The fall months are the driest of the year, precipitation ranging from about 8 to 13 inches. This favors harvesting of crops. Fall is the most agreeable season of the year, with cool nights and mild, clear, sunny days persisting for several days, and even weeks, at a time.

The greatest rate of rainfall recorded in Mississippi is 0.83 inch in 5 minutes at Vicksburg or a rate of 9.96 inches per hour. Of course this rate is never sustained for any length of time, and the greatest of record in 1 hour is 3.66 inches at Meridian. From the beginning of record through 1950, the heaviest 24-hour rainfall was 12.35 inches at Merrill during a hurricane on July 5, 1916. Generally, however, the most intense rains are associated with thunderstorms; tropical storms usually cause heavier rains over longer periods of time.

While snowfall is not of much economic importance, it is not such a rare event in Mississippi as is generally believed. During the 60 years from 1898 through 1957, measurable snow or sleet has fallen on some part of the State in all but 3 years, or 95 percent of the years. North of 34°N. latitude measurable snow has fallen in 65 to 85 percent of the years; between 34° and 33°N., it has fallen in 50 to 65 percent of the years; between 33° and 32°N. in 30 to 55 percent of the years; between 32° and 31°N. in 10 to 30 percent of the years; and below 31°N. to the coast, measurable snow has fallen in about 10 percent of the years. During these 60 years snow or sleet has fallen in January in 37 years. In February in 31 years, in March in 15 years, in November in 5 years, and in December in 29 years.

The normal annual temperature ranges from 62°F. in the northern border counties to 68°F. in the coastal counties. The lowest January normal is 43°F. in the north-central area, ranging upward to 54°F. in the coastal district. The highest July normal is 84°F. in the upper Delta, ranging downward to 80° in parts of central and north-central districts. The lowest temperature ever observed was 16°F. below zero at Batesville in February 1951 and at French Camp in February 1899. Temperatures of 90°F. or higher occur on an average of 55 days per year on the immediate Gulf Coast under the ameliorating effect of the relatively cooler Gulf waters. There is a rapid increase in number of days 90°F. or higher inland from the coast, reaching a maximum of 105 such days in Stone County. Temperatures of 32°F. (Freezing) or lower occur on an average of 11 days a year on the immediate Gulf coast, increasing to a maximum of 60 days in Panola County. Temperatures exceed 100°F. at one or more stations each summer. They drop to zero or lower in Mississippi on an average of once in 5 years and to 32°F. or lower on the Gulf coast almost every winter.

Thunderstorms occur on an average of 50 to 60 days a year in the northern districts and 70 to 80 days a year near the coast. Thundershowers occur more frequently in July than any other month, with the least in December. Those in late fall, winter, and early spring are more apt to be attended by high winds than in summer. However, in the interior in summer after a spell of unusually high temperatures, thunderstorms may develop with local violence. During late fall, winter, and early spring, thunderstorms may occur at any time of day, as they are usually associated with passing weather systems. During the warm season about 65 percent of the thundershowers occur between noon and 6 p.m. and 85 percent between noon and midnight in the interior. Near the coast 30 percent occur between 6 a.m. and noon, 60 percent between noon and 6 p.m. or about 90 percent between 6 a.m. and 6 p.m.

It is well to reiterate that Mississippi has a climate characterized by absence of severe cold in winter and extreme heat in summer; that the ground rarely freezes and outdoor activities are generally favored year-round; cold spells are usually of short duration and the growing season is long; rainfall is plentiful, but so is sunshine; and dry spells most frequently come at harvest time when needed most. While tornadoes and hurricanes cost heavily in lives and property, these effect only a small part of the State at any time and protective measures can be taken against them.

U. S. DEPARTMENT OF COMMERCE WEATHER BUREAU
***MEAN TEMPERATURE AND PRECIPITATION**
MISSISSIPPI

L.S. 5012

STATION	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL	
	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation	Temperature	Precipitation
UPPER DELTA																										
CLARKSDALE	45.8	6.73	48.4	5.02	56.0	5.80	65.1	4.68	73.4	4.25	81.4	3.76	83.6	3.04	83.1	2.28	77.1	2.34	66.8	2.33	51.8	4.45	44.5	5.14	65.1	49.92
CLEVELAND	44.6	6.04	47.2	4.73	54.6	6.21	63.4	4.91	71.6	4.02	79.5	3.71	81.6	3.72	81.2	2.56	75.1	2.60	65.0	2.58	52.4	4.40	45.6	5.10	65.5	52.02
SCOTT	44.6	6.16	47.2	4.76	54.6	6.21	63.4	4.91	71.6	4.22	79.5	3.26	81.6	3.72	81.2	2.43	75.1	2.43	65.0	2.44	52.4	4.36	45.6	5.10	65.5	50.08
SWAN LAKE		5.96		4.80		6.13		4.64		3.78		3.26		4.14		2.70		2.43		2.71		4.49		5.81		50.61
DIVISION	45.1	6.36	47.6	4.88	55.0	6.04	64.0	4.74	71.8	3.99	79.8	3.33	82.0	3.78	81.7	2.41	75.6	2.48	65.3	2.44	52.8	4.28	46.0	5.10	63.9	49.83
NORTH CENTRAL																										
BATESVILLE	44.3	6.33	46.8	4.79	53.9	6.25	62.9	5.06	70.7	4.06	78.8	3.28	81.3	4.12	80.8	3.45	74.6	2.64	63.8	2.56	51.7	4.40	44.9	5.55	62.9	52.56
GRENADEA		5.78		5.06		6.81		4.27		3.70		3.49		3.94		3.44		2.55		2.25		4.03		5.25		51.17
HOLLY SPRINGS 2 N	43.3	6.72	45.3	5.45	52.9	6.17	61.9	4.70	69.0	4.20	78.2	3.65	80.9	4.69	80.4	3.20	74.1	3.63	63.9	2.88	51.3	4.73	44.1	5.09	62.7	52.11
UNIVERSITY	44.8	6.16	47.1	5.18	54.6	6.09	63.4	4.77	70.9	3.90	78.9	3.71	81.2	4.23	81.2	2.98	75.3	3.15	63.0	2.95	52.4	4.72	45.7	5.32	63.4	52.73
WATER VALLEY	45.3	5.90	47.6	5.14	54.6	6.69	62.8	5.11	70.3	3.96	78.5	3.67	81.2	4.32	80.7	3.16	74.8	3.03	64.5	2.61	52.1	4.52	45.2	5.33	62.9	52.81
DIVISION	44.5	6.16	46.6	5.10	53.9	6.08	62.7	4.86	70.5	4.04	78.6	3.60	81.1	4.37	80.7	3.16	74.8	3.03	64.5	2.61	52.1	4.52	45.2	5.33	62.9	52.81
NORTHEAST																										
BOONEVILLE	43.2	6.17	44.8	5.78	52.3	6.33	61.2	4.76	69.5	4.14	77.6	3.48	80.2	4.24	79.9	3.39	73.9	3.01	63.6	2.84	50.9	4.65	43.6	5.63	61.7	54.42
CORINTH	44.0	6.34	46.0	5.34	53.5	5.71	62.8	4.68	71.1	4.09	79.4	3.62	82.0	4.04	81.5	3.43	75.2	3.05	64.5	2.74	51.7	4.61	44.7	4.89	63.0	52.54
FULTON 3 N		5.55		5.02		6.78		4.60		4.20		3.31		4.81		3.34		2.83		2.32		4.18		5.07		52.91
PONTOTOC	45.1	5.83	47.2	5.14	54.6	6.53	62.9	4.73	70.3	3.96	78.7	3.63	80.9	4.95	80.8	3.27	75.3	3.11	65.1	2.72	52.4	4.67	45.3	5.12	63.3	52.98
TUPELO	44.9	6.00	46.6	5.59	53.8	7.00	62.7	4.14	71.3	4.17	79.5	3.72	81.8	4.49	81.5	2.73	75.3	2.83	64.5	2.65	52.0	4.17	45.3	5.39	63.2	52.98
DIVISION	44.2	6.06	46.2	5.44	53.5	6.39	62.4	4.58	70.7	4.03	78.8	3.64	81.2	4.47	80.9	3.20	74.8	2.99	64.3	2.61	51.8	4.48	44.8	5.23	62.8	53.12
LOWER DELTA																										
BELZONI	47.8	5.78	50.4	5.01	57.5	5.54	65.2	4.68	73.0	3.57	80.4	3.07	82.5	3.56	82.2	2.64	76.3	2.05	66.3	2.31	54.4	4.58	48.4	5.45	65.4	49.04
GREENVILLE	47.0	6.77	49.3	5.06	56.4	5.90	64.6	5.21	72.5	3.79	80.2	2.99	82.4	4.20	82.3	2.53	76.6	2.87	66.7	2.27	54.4	4.47	47.7	5.56	65.0	51.69
GREENWOOD CAA AP	47.0	5.86	49.5	4.95	56.6	5.87	64.8	4.99	72.7	3.66	80.4	3.00	82.5	4.30	82.2	2.95	76.2	2.63	69.6	2.43	53.5	4.58	47.4	5.65	64.9	51.89
MOOREHEAD	46.6	5.59	49.1	4.68	56.2	5.94	64.8	5.00	72.5	3.63	80.3	3.74	82.4	4.24	81.3	2.81	75.7	2.46	64.9	2.21	53.1	4.40	47.2	5.12	64.5	49.00
STONEVILLE EXP STA	46.7	5.77	48.9	4.84	55.9	5.71	64.0	4.74	71.6	3.96	79.5	3.61	81.6	3.66	81.3	2.51	75.6	2.41	65.3	2.47	53.6	4.13	47.4	5.56	64.3	49.67
YAZOO CITY	48.3	5.29	50.6	5.10	57.6	5.43	65.3	4.72	72.9	3.81	80.1	3.77	82.3	4.48	82.2	2.96	76.9	2.10	66.7	2.53	54.8	4.48	49.9	5.18	65.6	49.83
DIVISION	47.3	5.90	49.7	4.90	56.7	5.66	64.7	4.86	72.5	3.76	80.1	3.63	82.2	4.16	81.9	2.69	76.2	2.46	65.9	2.38	54.0	4.43	47.8	5.44	64.9	50.29
CENTRAL																										
CANTON	48.9	5.53	50.9	4.89	57.3	5.93	64.5	4.47	72.1	4.03	79.4	3.47	81.5	5.05	81.3	3.00	76.1	1.93	66.1	1.70	54.8	3.93	49.5	5.54	65.2	49.47
EDINBURG	48.3	5.66	50.1	5.29	56.4	6.22	63.6	4.85	70.8	4.35	78.3	3.82	80.4	5.78	80.0	3.41	75.0	2.70	64.8	1.85	53.6	3.88	48.2	5.67	64.1	53.58
EUPORA	46.8	5.80	48.7	5.05	53.3	5.98	63.0	4.10	70.6	3.51	78.5	3.04	80.7	5.12	80.4	3.19	74.9	2.50	64.9	2.36	53.0	3.86	46.7	5.01	63.6	50.38
KOSCIUSKO	46.9	5.78	48.7	5.47	55.8	5.77	63.4	4.66	71.2	4.11	78.7	3.70	80.8	5.59	80.7	3.00	75.3	2.91	65.4	2.14	53.4	4.22	47.3	5.29	64.0	52.61
DIVISION	47.8	5.78	49.6	5.24	56.2	6.05	63.7	4.52	71.2	3.98	78.8	3.65	80.9	5.43	80.6	3.14	75.4	2.60	65.3	2.05	53.7	4.12	48.0	5.32	64.3	51.86
EAST CENTRAL																										
ABERDEEN	46.8	5.66	48.7	5.68	55.8	6.22	63.8	4.40	71.7	3.60	79.7	3.82	82.0	5.01	81.8	3.12	75.7	2.72	65.0	2.33	53.1	3.84	46.8	5.00	64.7	51.40
COLUMBUS	47.6	5.91	49.4	5.42	56.3	5.69	64.1	4.11	71.9	3.78	79.9	3.38	81.8	5.17	81.8	2.97	76.3	1.36	66.7	2.39	53.7	3.60	47.4	4.86	64.7	50.20
LOUISVILLE	47.3	5.92	49.2	5.92	56.0	6.16	63.6	4.37	71.5	4.11	79.2	3.30	81.2	6.04	81.2	3.32	75.3	3.07	65.4	1.98	53.5	4.12	47.3	5.14	64.2	53.45
MACON 2 NE	47.9	5.76	49.8	5.88	56.9	6.20	64.7	4.83	72.7	3.88	80.4	3.01	82.3	5.63	82.2	3.37	76.8	3.04	66.7	2.24	54.5	4.11	47.8	5.30	65.2	53.25
STATE COLLEGE	47.5	5.46	49.5	5.07	56.2	5.70	64.2	3.78	71.9	3.46	79.6	3.13	81.5	5.49	81.1	3.28	76.0	2.59	65.9	2.25	53.9	3.59	47.6	4.88	64.6	48.68
DIVISION	47.3	5.60	49.1	5.55	56.1	6.02	63.8	4.26	71.7	3.73	79.5	3.30	81.5	5.42	81.3	3.20	75.8	2.93	65.4	2.20	53.5	3.67	47.2	5.03	64.4	51.11
SOUTHWEST																										
BROOKHAVEN	51.2	5.67	53.1	5.27	59.0	6.35	65.7	5.65	73.2	5.12	80.0	4.25	81.6	5.65	81.7	3.56	77.1	3.43	68.1	2.37	56.7	4.00	51.3	5.91	66.6	57.19
JACKSON WB AIRPORT	48.3	5.09	51.0	5.09	56.8	6.23	64.9	4.62	72.3	4.09	79.9	3.72	82.1	4.61	81.4	3.28	76.7	2.10	66.4	2.18	55.2	4.05	49.0	5.60	65.4	50.86
MERITILL	51.5	5.75	51.8	5.00	59.7	6.41	66.4	5.29	73.3	6.54	80.2	3.80	81.6	4.47	82.0	3.59	77.4	2.67	68.1	2.21	57.0	4.02	52.2	5.77	66.8	55.82
PORT GIBSON	49.5	5.93	52.0	5.58	58.2	6.00	64.8	5.06	72.0	5.17	78.9	4.07	81.0	5.24	80.8	3.84	75.6	2.75	65.8	2.18	54.7	4.52	49.6	5.56	65.2	50.80
UTICA	50.6	5.70	52.7	5.15	58.5	5.88	65.5	5.72	72.8	4.85	80.0	3.51	81.9	4.79	81.9	3.14	77.2	2.69	67.7	1.91	56.3	4.05	51.1	5.38	66.4	52.77
VICKSBURG WB CITY	49.2	5.44	52.1	5.14	58.1	6.03	65.8	4.84	72.9	4.22	79.5	3.31	81.5	3.96	81.5	2.71	77.0	1.77	67.7	2.22	56.8	4.61	50.5	5.38	66.1	49.73
DIVISION	50.4	5.78	52.7	5.29	58.6	6.01	65.9	5.32	72.8	5.00	79.8	3.82	81.6	5.30	81.5	3.45	76.8	2.76	67.3	2.14	56.1	4.21	50.9	5.67	66.7	54.75
SOUTH CENTRAL																										
COLLINS	51.7	5.35	54.9	5.01		5.88		5.29		4.78		4.16		6.10		3.75		3.23		2.32		3.47		5.55		54.71
COLUMBIA	52.8	5.35	54.9	5.18	60.5	6.54	67.2	5.68	74.4	4.69	81.2	4.60	82.4	6.58	82.2	3.66	77.5	4.14	68.0	2.63	57.5	3.98	52.9	6.26	67.6	59.49
MONTICELLO 1 SW	51.6	5.82	53.6	5.20	59.2	6.41	65.8	5.68	72.9	4.99	79.8	3.76	81.6	5.76	81.5	3.74	76.8	3.19	67.3	2.55	56.4	3.69	51.6	6.01	68.5	56.60
DIVISION	52.1	5.68	54.1	5.10	59.6	6.39	66.4	5.61	73.5	4.70	80.2	4.40	81.7	6.29	81.5	4.16	77.0	3.59	67.6	2.47	56.8	3.76	52.1	5.58	66.9	57.60
SOUTHEAST																										
HATTIESBURG	52.2	4.99	54.1	5.10	59.7	6.83	66.3	5.54	73.7	5.04	80.3	4.18	81.6	6.85	81.4	5.16	76.7	3.56	67.0	2.97	56.6	4.20	51.8	6.20	66.8	59.40
JACKSON WB AIRPORT	51.7	5.70				6.55		5.70		4.05																

FREEZE DATA

STATION	Freeze threshold temperature	Mean date of last Spring occurrence	Mean date of first Fall occurrence	Mean No. of days between dates	Years of record Spring	No. of occurrences in Spring	Years of record Fall	No. of occurrences in Fall	STATION	Freeze threshold temperature	Mean date of last Spring occurrence	Mean date of first Fall occurrence	Mean No. of days between dates	Years of record Spring	No. of occurrences in Spring	Years of record Fall	No. of occurrences in Fall
ABERDEEN	32 28 24 20 16	03-22 03-06 02-16 02-02 01-16	11-05 11-17 12-07 12-17 12-24	228 256 294 318 342	30 30 30 30 30	30 30 28 23 15	30 30 30 30 30	30 30 25 18 12	EDINBURG	32 28 24 20 16	03-29 01-09 02-23 02-02 01-18	10-31 11-13 11-30 12-13 12-22	216 249 280 313 338	30 29 29 29 29	30 29 28 23 16	29 27 28 28 28	29 27 24 21 11
BATESVILLE	32 28 24 20 16	03-30 03-13 02-28 02-09 01-22	10-27 11-11 11-26 12-14 12-22	211 244 272 307 334	30 30 30 30 30	30 30 30 25 21	30 30 30 30 30	30 30 29 20 12	EUPORA	32 28 24 20 16	03-31 03-16 02-26 02-11 01-23	11-03 11-11 11-26 12-11 12-18	217 240 274 304 330	24 24 24 23 23	24 24 24 21 14	24 24 24 24 24	24 27 23 17 13
BAY ST LOUIS	32 28 24 20 16	02-24 01-29 01-13 01-07 #	12-06 12-20 12-28 # #	265 375 349 # #	30 30 30 30 30	29 24 13 7 2	30 30 30 30 30	23 16 5 2 0	FOREST	32 28 24 20 16	03-22 03-02 02-10 01-30 01-18	11-10 11-21 12-06 12-17 12-23	233 264 299 321 340	30 30 25 22 16	30 30 30 30 30	30 28 24 18 10	30 28 24 18 10
BELZONT	32 28 24 20 16	03-15 02-24 02-11 01-21 01-14	11-09 11-25 12-14 12-20 12-27	239 275 306 333 347	20 20 20 12 20	20 21 18 12 8	21 20 14 11 5	21 20 14 10 5	GREENVILLE	32 28 24 20 16	03-17 03-01 02-12 01-28 01-12	11-13 11-26 12-12 12-19 12-23	241 270 304 325 345	30 30 26 21 30	30 30 30 30 13	30 28 23 17 12	30 28 23 17 12
BILOXI CITY	32 28 24 20 16	02-21 01-29 01-13 01-05 #	12-12 12-20 12-27 # #	294 325 348 # #	30 30 30 30 30	28 21 14 8 4	30 30 30 30 30	20 15 7 2 0	GREENWOOD CAA AP	32 28 24 20 16	03-17 02-26 02-14 01-25 01-14	11-03 11-22 12-11 12-18 12-26	231 269 300 327 346	30 30 27 22 15	30 30 30 30 30	30 28 23 16 9	30 28 23 16 9
BOONEVILLE	32 28 24 20 16	03-26 03-13 02-23 02-12 01-25	11-08 11-17 12-04 12-15 12-24	226 249 284 307 333	30 30 30 28 30	29 29 29 28 22	29 28 27 20 12	29 28 27 20 12	HATTIESBURG	32 28 24 20 16	03-14 02-23 01-31 01-16 01-06	11-10 11-30 12-15 12-21 #	242 280 318 339 #	30 29 24 16 #	30 29 30 30 30	30 25 22 12 3	30 25 22 12 3
BROOKHAVEN	32 28 24 20 16	03-19 02-26 02-09 01-19 01-07	11-15 12-02 12-17 12-22 #	241 279 311 338 #	30 30 30 18 30	29 29 27 18 10	29 26 16 13 4	28 26 16 13 4	HERNANDO	32 28 24 20 16	03-26 03-11 02-24 02-10 01-28	11-10 11-20 12-06 12-20 12-22	229 254 284 312 328	28 27 26 27 27	28 27 26 24 27	28 27 25 15 11	28 27 25 15 11
CANTON	32 28 24 20 16	03-20 02-28 02-09 01-22 01-13	11-03 11-23 12-11 12-19 12-26	229 268 305 331 348	28 29 28 18 29	28 25 24 16 12	26 25 19 13 6	26 23 16 6	HOLLY SPRINGS 2 N	32 28 24 20 16	03-29 03-17 02-27 02-13 01-29	11-04 11-15 12-01 12-14 12-21	219 243 277 304 327	30 30 30 27 30	30 30 30 30 23	30 30 30 21 15	30 30 30 21 15
CLARKSDALE	32 28 24 20 16	03-18 02-28 02-13 01-31 01-15	11-09 11-28 12-14 12-19 12-26	236 273 304 322 345	29 29 28 30 30	29 29 27 23 16	30 30 22 17 9	30 29 22 10 2	JACKSON MS AP	32 28 24 20 16	03-10 02-20 02-13 01-31 01-24	11-13 11-25 12-04 12-10 12-17	248 278 294 313 328	30 30 23 18 10	30 30 23 18 10	20 25 18 15 7	20 25 18 15 7
COLUMBIA	32 28 24 20 16	03-15 02-26 02-09 01-18 01-04	11-09 11-28 12-13 12-23 #	239 275 307 339 #	30 30 30 30 30	29 29 27 17 7	29 27 29 10 2	29 27 29 10 2	KOSCIUSKO	32 28 24 20 16	03-27 03-10 02-23 02-05 01-16	11-06 11-20 12-05 12-17 12-22	225 255 285 314 341	30 30 29 24 30	30 30 29 24 29	30 28 24 19 12	30 28 24 19 12
COLUMBUS	32 28 24 20 16	03-24 03-08 02-18 02-04 01-17	11-09 11-21 12-08 12-18 12-25	229 258 293 317 342	30 30 30 30 30	30 30 28 24 15	30 29 24 17 10	30 29 24 17 10	LAUREL	32 28 24 20 16	03-16 02-25 02-07 01-19 01-06	11-13 12-03 12-15 12-21 12-27	242 281 311 336 355	30 28 25 17 9	30 28 30 30 30	30 25 20 14 6	30 25 20 14 6
CORINTH	32 28 24 20 16	03-28 03-12 02-24 02-13 01-28	11-05 11-20 12-02 12-18 12-24	223 253 281 308 330	29 29 29 27 29	29 29 29 30 23	30 30 29 18 12	30 30 29 18 12	LEAKESVILLE	32 28 24 20 16	03-17 02-28 02-02 01-20 01-07	11-09 11-30 12-13 12-21 12-29	237 277 314 336 356	28 28 28 26 28	28 28 23 17 9	29 25 20 11 5	29 25 20 11 5
CRYSTAL SPRINGS	32 28 24 20 16	03-16 02-28 02-12 01-19 01-09	11-19 12-06 12-18 12-22 12-28	249 281 309 336 353	30 30 30 30 30	30 30 26 17 12	29 27 30 13 7	29 27 30 13 7	LOUISVILLE	32 28 24 20 16	03-24 03-07 02-19 02-06 01-19	11-10 11-27 12-08 12-18 12-25	231 265 292 315 340	30 30 29 24 30	30 30 29 24 16	30 29 24 18 11	30 29 24 18 11
DUCK HILL	32 28 24 20 16	03-28 03-15 02-23 02-08 01-20	10-29 11-07 11-27 12-16 12-21	214 238 277 311 335	30 30 30 30 30	30 30 26 18 18	30 30 26 18 13	30 30 28 18 13	MACON 2 NE	32 28 24 20 16	03-22 03-04 02-15 01-30 01-17	11-08 11-21 12-09 12-18 12-25	231 262 297 322 342	30 30 28 22 30	30 30 28 22 15	30 30 23 15 10	30 30 23 15 10

FREEZE DATA

STATION	Freeze threshold temperature	Mean date of last Spring occurrence	Mean date of first Fall occurrence	Mean No. of days between dates	Years of record	No. of occurrences in Spring	Years of record	No. of occurrences in Fall	STATION	Freeze threshold temperature	Mean date of last Spring occurrence	Mean date of first Fall occurrence	Mean No. of days between dates	Years of record	No. of occurrences in Spring	Years of record	No. of occurrences in Fall
MAGNOLIA	32 28 24 20 16	03-18 02-23 02-03 01-15 01-07	11-12 12-05 12-16 12-24 a	239 284 316 343 a	30 30 30 30 30	30 28 25 16 10	30 30 30 30 30	30 24 19 15 3	SCOTT	32 28 24 20 16	03-18 03-03 02-14 01-29 01-15	11-07 11-24 12-09 12-18 12-25	234 267 298 323 345	30 30 30 30 30	30 30 27 23 14	30 30 30 30 30	30 28 24 17 10
MERIDIAN WR AP	32 28 24 20 16	03-13 02-25 02-06 01-22 01-11	11-14 12-02 12-16 12-22 12-28	246 281 313 334 351	30 30 30 30 30	30 30 24 19 14	30 30 30 30 30	30 26 20 13 5	SHURUTA	32 28 24 20 16	03-21 03-05 02-12 01-20 01-06	11-05 11-22 12-04 12-15 12-26	230 262 295 329 355	27 27 28 27 28	27 27 26 17 7	27 26 26 27 26	26 24 21 17 7
MONTICELLO	32 28 24 20 16	03-21 02-27 02-12 01-20 01-06	11-04 11-23 12-10 12-18 12-28	228 269 301 332 356	30 30 30 30 30	30 29 28 17 9	30 30 30 30 30	30 28 22 15 6	STATE COLLEGE	32 28 24 20 16	03-21 03-04 02-17 02-06 01-16	11-09 11-26 12-11 12-20 12-25	733 266 297 316 342	30 30 30 30 30	30 29 28 25 15	30 30 30 30 30	30 29 25 18 11
MOORHEAD	32 28 24 20 16	03-19 03-02 02-15 01-30 01-14	11-03 11-20 12-06 12-17 12-25	279 263 294 321 345	28 28 28 28 28	28 28 26 22 13	30 30 30 30 30	30 28 25 19 12	STONEVILL EXP STA	32 28 24 20 16	03-20 03-07 02-13 01-26 01-16	11-04 11-16 12-07 12-19 12-26	249 255 297 327 344	20 20 20 20 20	20 20 18 13 10	20 20 18 20 20	20 19 18 9 5
NATCHEZ	32 28 24 20 16	03-12 02-21 02-01 01-16 01-06	11-17 12-04 12-16 12-23 12-29	249 288 318 341 357	29 29 29 29 29	29 28 21 14 8	30 30 30 30 30	29 26 20 13 5	TUNICA	32 28 24 20 16	03-22 03-09 02-18 02-08 01-18	11-05 11-21 12-06 12-20 12-25	227 257 291 318 342	17 17 17 17 17	17 17 16 14 9	15 15 14 14 14	15 14 12 9 6
PEARLINGTON	32 28 24 20 16	03-04 02-12 01-22 01-12 01-05	11-28 12-15 12-22 12-28 a	269 307 335 350 a	28 28 28 28 28	25 25 17 11 6	25 16 10 5 0		TUPELO	32 28 24 20 16	03-26 03-09 02-19 02-08 01-19	11-11 11-18 12-06 12-18 12-24	230 254 291 313 339	30 30 30 30 30	30 29 28 26 18	30 30 30 30 30	30 30 25 17 12
PONTOTOC	32 28 24 20 16	03-27 03-13 02-24 02-11 01-27	11-05 11-18 12-03 12-15 12-22	223 250 282 307 329	30 30 30 30 30	30 30 29 28 22	30 30 29 30 30	30 29 28 20 15	TYLERTOWN	32 28 24 20 16	03-07 02-15 01-18 01-06 01-04	11-16 12-05 12-18 12-22 a	254 293 335 349 a	10 10 9 9 9	10 10 6 10 4	10 10 5 1 1	10 9 5 1 1
POPLARVILLE EXP STA	32 28 24 20 16	03-06 02-16 01-22 01-10 01-05	12-02 12-14 12-21 12-27 a	272 301 332 351 a	30 30 30 30 30	30 28 18 11 8	30 21 13 6 2		UNIVERSITY	32 28 24 20 16	03-28 03-10 02-24 02-10 01-30	11-07 11-22 12-06 12-17 12-21	224 258 285 309 325	30 30 29 29 29	30 30 28 25 21	30 30 30 30 30	30 29 28 20 14
PORT GIBSON	32 28 24 20 16	03-26 03-10 02-21 01-29 01-16	11-03 11-18 12-04 12-17 12-26	223 253 286 322 343	30 30 30 30 30	30 30 28 22 16	30 30 30 30 30	30 29 24 19 9	UTICA	32 28 24 20 16	03-21 02-28 02-12 01-26 01-10	11-08 11-27 12-12 12-19 12-25	233 272 303 327 349	30 30 30 30 29	30 30 27 21 12	29 29 22 15 10	29 26 22 15 10
ROLLING FORK	32 28 24 20 16	03-18 03-03 02-14 01-19 01-08	11-02 11-28 12-08 12-20 12-25	228 269 297 335 352	16 15 15 15 15	16 15 13 11 6	17 15 14 9 7		WATER VALLEY	32 28 24 20 16	03-27 03-15 02-24 02-09 01-24	11-05 11-16 12-01 12-16 12-21	223 246 279 310 331	30 30 30 30 30	30 30 30 27 20	30 30 30 30 30	30 29 27 20 14
ROSEDALE	32 28 24 20 16	03-23 03-07 02-16 02-01 01-20	11-09 11-24 12-08 12-18 12-23	231 262 296 320 337	18 18 18 18 18	18 18 16 14 13	18 17 16 12 8		WAYNESBORO IE	32 28 24 20 16	03-24 03-02 02-12 01-19 01-08	11-09 11-22 12-08 12-19 12-27	230 265 300 334 353	29 29 29 28 28	29 28 26 16 11	29 28 29 29 28	28 27 21 14 7
									WIGGINS FRUITLAND PK	32 28 24 20 16	03-07 02-22 01-31 01-17 01-06	11-20 12-07 12-14 12-22 a	258 288 317 339 a	26 26 25 24 24	26 25 20 14 7	26 25 25 25 24	25 18 14 9 1
									WOODVILLE	32 28 24 20 16	03-13 02-21 02-05 01-10 01-07	11-21 12-09 12-17 12-24 12-29	253 291 316 348 356	27 27 26 26 26	27 26 21 11 8	27 26 26 26 26	27 21 16 10 5
									YAZOO CITY	32 28 24 20 16	03-21 03-01 02-16 01-27 01-12	11-04 11-23 12-06 12-17 12-25	229 267 293 323 347	30 30 30 30 30	30 30 29 21 13	30 30 30 30 30	30 27 24 16 12

Data in the above table are based on the period 1921-1950, or that portion of this period for which data are available.

⊗ When the frequency of occurrence in either spring or fall is one year in ten, or less, mean dates are not given.

Means have been adjusted to take into account years of non-occurrence.

A freeze is a numerical substitute for the former term "killing frost" and is the occurrence of a minimum temperature at or below the threshold temperature of 32°, 28°, etc.

Freeze data tabulations in greater detail are available and can be reproduced at cost.

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

MISSISSIPPI
1964

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.							

UPPER DELTA 01																													
CHARLESTON	101	8-5	13	1-14	1-14	13	2-23	17	2-24	24	3-30	25	3-31	30	10-20	20	11-21	27	11-23	16	11-23	16	11-23	16	314	274	268	236	203
CLARKSDALE	105	8-5	15	12-19	NONE		1-15	18	2-23	24	3-31	28	3-31	28	11-21	27	11-21	27	11-22	20	11-22	20	12-18	16		312	273	235	235
CLEVELAND	102	8-4	11	1-15	1-15	11	3-30	20	3-30	20	3-30	20	3-31	32	10-20	32	11-21	28	11-22	20	11-22	20	NONE			237	273	236	203
ROSEDALE	103	8-5	14	1-15	1-15	14	2-22	20	2-24	21	3-30	27	3-31	32	11-20	32	11-21	26	11-22	29	11-22	20	NONE			274	272	236	234
SCOTT	103	8-5	17	1-15	NONE		1-16	18	2-23	22	3-30	26	3-31	29	11-21	30	11-22	21	11-22	21	12-18	19	NONE			337	273	237	235
TUNICA 2	104	8-5	12	1-13	1-14	14	2-22	20	2-29	24	3-31	26	3-31	26	10-20	31	11-21	25	11-22	16	11-22	16	11-22	16	313	274	267	235	203

NORTH CENTRAL 02																													
BATESVILLE 2 SW	101	8-5	11	1-14	1-20	16	2-24	20	3-30	24	3-31	27	3-31	27	10-6	32	11-21	27	11-22	16	11-22	16	11-22	16	298	272	237	235	189
CALHOUN CITY	102	8-4	10	1-15	2-23	16	2-23	16	2-23	16	3-30	25	4-10	32	10-11	31	11-22	17	11-22	17	11-22	17	11-23	16	274	273	273	237	184
GRENADA	104	8-4	11	1-15	1-15	11	2-23	17	2-29	24	3-30	26	3-30	26	10-20	30	11-22	28	11-22	19	11-22	19	12-18	16	338	273	267	236	204
HERNANDO	104	8-5	12	12-19	1-15	16	1-15	16	3-30	24	3-31	28	3-31	28	11-20	29	11-21	24	11-21	24							236	235	234
HICKORY FLAT 1 NW	101	8-4	7	1-14	2-23	19	2-29	20	3-30	24	3-30	24	4-10	31	10-20	32	11-21	28	11-22	19	11-22	19	11-22	19	273	267	237	236	183
HOLLY SPRINGS 4 N	101	8-5	8	1-14	2-23	16	2-24	20	3-31	22	3-31	22	4-10	32	10-6	31	11-20	28	11-22	13	11-22	13	11-22	13	273	272	236	234	179
INDEPENDENCE 3 N	100	8-5	12	12-19	1-16	19	2-23	19	3-31	24	3-31	24	3-31	24	10-20	32	11-21	25	11-22	15	11-22	15	11-22	15	311	273	236	235	183
UNIVERSITY	100	8-5	7	1-14	2-23	19	2-23	19	3-30	24	3-31	20	4-10	30	10-6	32	11-21	26	11-22	12	11-22	12	11-22	12	273	273	237	238	179
WATER VALLEY	100	8-4	10	1-15	2-23	19	2-23	19	3-30	24	3-30	24	4-10	32	10-6	32	11-21	26	11-22	17	11-22	17	12-18	14	299	273	237	236	179

NORTHEAST 03																													
BOONEVILLE	104	8-5	13	12-19	2-23	16	2-23	16	3-30	22	3-30	22	4-9	32	10-20	32	11-21	25	11-22	16	11-22	16	11-22	16	273	273	237	236	194
CORINTH 4 SW					1-15	12	2-23	17	3-30	21	3-30	21	4-9	30															
FULTON 3 W	102	6-22			2-23	19	2-29	19	3-30	24	3-30	24	4-10	30	10-7	32	11-22	28	11-22	19	11-22	19	11-22	19	273	267	237	204	180
PONTOTOC	100	8-4	9	1-14	2-22	16	2-23	17	3-30	22	3-30	22	4-9	30	10-20	29	11-21	28	11-22	19	11-22	19	11-22	19	274	273	237	236	194
PONTOTOC EXP STA	101	6-22	12	12-18	2-23	18	2-23	17	3-30	22	3-30	22	4-9	31	10-20	32	11-21	26	11-22	16	11-22	16	11-22	16	268	273	237	236	194
RIPELY	101	8-4	9	1-14	2-23	19	3-30	20	3-30	20	3-30	20	4-10	31	10-20	31	11-21	25	11-22	20	11-22	20				249	245	236	193
TUPELO	102	8-4	14	12-18	1-15	19	2-23	20	2-23	20	3-30	25	3-30	25	11-20	32	11-21	25	11-22	19	11-22	19	11-22	19	312	273	273	236	235
TUPELO 2 SW	101	8-44			2-23	19	2-23	19	3-30	24	3-30	24	4-10	32	10-20	30													193

LOWER DELTA 04																													
BELZONI	101	8-5	15	1-14					2-23	21	3-30	26	3-31	31	10-20	32	11-22	21	11-22	21	12-18	20	NONE				273	237	203
GREENVILLE	100	8-5	11	1-14	1-15	16	1-16	17	2-24	23	3-31	28	3-31	28	11-21	28	11-21	28	11-22	21	12-18	20	NONE			320	272	239	235
GREENWOOD FAA AP	102	8-4	18	1-15	NONE		1-15	18	2-23	23	2-23	23	3-30	29	11-21	26	11-21	26	11-22	23	12-18	20	NONE			336	273	272	236
WINTER CITY	103	8-5	17	12-18	NONE		1-16	17	2-23	23	3-31	28	3-31	28	11-21	30	11-22	21	11-22	21	12-18	17	NONE			337	273	236	235
MOOREHEAD	104	8-4	14	1-15	1-15	14	2-23	19	2-23	19	3-30	25	3-30	25	10-7	32	11-21	25	11-22	19	11-22	19	11-22	19	312	273	273	236	191
NETTA YUMA	105	8-5	17	1-14	NONE		1-15	19	2-24	24	3-30	27	3-30	27	11-21	30	11-22	23	11-22	23	NONE						272	237	236
ONWARD	99	8-5	11	1-13	1-16	14	2-23	16	2-23	16	3-30	28	3-31	32	10-11	32	11-22	22	11-22	22	12-18	18	NONE			282	273	237	194
STONEVILLE EXP STA	102	8-5	17	1-14	NONE		1-15	16	2-23	23	3-30	27	3-31	30	11-21	28	11-21	28	11-22	21	12-18	15	NONE			338	273	236	235
YAZOO CITY 3 NNE	101	8-4	10	1-13	1-15	10	2-23	17	2-23	17	3-22	27	3-30	30	11-21	28	11-21	28	11-22	29	NONE						273	244	236

CENTRAL 05																													
CANTON	99	8-5	15	1-16	1-16	15	2-23	19	2-23	19	2-29	26	3-31	30	10-20	31	11-22	21	11-22	21	12-18	20	NONE			282	273	267	203
CARTHAGE	100	6-23	10	1-15	2-23	16	2-23	16	2-29	24	3-30	27	3-30	27	10-20	30	11-22	20	11-22	20	11-22	20	NONE			273	267	237	204
EDINBURG	98	8-44	8	1-15	2-23	19	2-23	15	2-29	23	3-30	27	3-30	27	10-21	30	11-22	20	11-22	20	11-22	20	NONE			273	267	237	205
EUPORA			9	1-15	2-23	19	2-23	15	2-29	22	3-30	25	4-10	31			11-21	28	11-22	18	11-22	18	12-18	19	299	273	267	236	
FOREST	97	8-5	12	1-15	1-16	13	2-24	19	2-24	19	3-31	28	3-31	28	11-21	31	11-22	22	11-22	22	NONE						272	236	235
JACKSON WBP THOMP FLD	99	8-44	15	1-15	1-15	15	2-23	17	2-23																				

TEMPERATURE EXTREMES AND FREEZE DATA

Table 3--Continued

MISSISSIPPI
1984

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		15° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.							
PORT GIBSON	97	8-5	12	1-15	1-16	13	2-24	20	2-24	20	3-21	28	3-27	32	10-20	31	11-22	24	11-22	24	NONE	NONE		282	272	246	207		
UTICA	97	8-5	11	1-14	1-15	12	2-23	17	2-23	17	2-29	26	3-30	31	10-20	32	11-22	22	11-22	22	12-1	20	NONE	NONE	282	273	267	207	
VICKSBURG WB CITY	97	8-4	18	1-13	-	-	1-14	20	1-15	23	2-23	28	3-30	31	11-21	27	11-21	27	11-22	23	NONE	NONE			312	272	236		
WOODVILLE	97	6-22	15	1-14	1-14	15	1-19	20	2-23	21	2-24	27	3-22	32	11-22	27	11-22	27	12-1	23	NONE	NONE			282	272	245		
* * *																													
SOUTH CENTRAL	08																												
COLLINS	99	9-3	13	1-1	1-15	14	2-23	18	2-23	18	2-29	26	3-27	31	10-20	32	11-22	27	12-1	23	NONE	NONE			282	267	207		
COLUMBIA	98	9-3	12	1-1	1-15	15	2-23	19	2-23	19	2-29	27	3-27	32	10-20	31	11-22	28	12-1	23	NONE	NONE			282	267	207		
DLO	99	8-30	16	2-23	2-23	16	2-23	16	2-23	16	2-29	25	3-30	32	10-20	31	11-22	19	11-22	19	11-22	19	NONE	273	273	267	204		
MC COMB FAA AP	98	9-3	17	1-14	NONE	-	1-13	19	2-23	22	2-23	22	2-23	22	11-21	29	11-22	25	12-1	22	NONE	NONE			282	273	272		
MONTICELLO 2 S	96	9-5	12	1-16	2-23	16	2-24	19	2-24	19	3-6	27	3-27	29	10-20	29	11-22	25	12-1	21	NONE	NONE			281	261	207		
TYLERTOWN 2 N	98	8-4	15	1-13	1-15	15	2-23	19	2-23	19	2-29	27	3-27	32	10-20	31	11-22	27	12-1	24	NONE	NONE			289	267	207		
* * *																													
SOUTHEAST	09																												
BAY SPRINGS	98	7-10	15	1-14	1-15	14	2-23	20	2-26	24	2-26	24	3-30	30	10-3	31	11-22	24	11-22	24	NONE	NONE			270	270	187		
HECATUR	99	9-4	16	1-15	1-13	16	1-15	16	1-15	16	3-30	28	3-30	28	11-22	29	12-1	25	NONE	NONE	NONE	NONE			246	237			
LAUREL	98	9-4	17	1-15	NONE	-	1-16	18	2-24	23	2-24	23	3-11	29	11-22	24	11-22	26	12-1	24	NONE	NONE			281	272	236		
MERIDIAN WB AIRPORT	101	6-21	10	1-15	2-23	16	2-23	16	2-23	16	3-6	28	3-30	29	10-20	30	11-21	27	11-22	23	12-7	19	NONE	288	273	260	204		
NEWTON EXP STATION	98	8-4	11	1-15	2-23	16	2-23	16	2-29	24	3-30	28	3-30	28	10-20	31	11-22	23	11-22	23	NONE	NONE			267	237	204		
QUITHAN 1 N	99	6-22	9	1-15	1-15	9	2-12	20	2-20	22	3-6	27	4-10	32	10-20	30	11-22	25	12-1	21	12-8	20	NONE	300	276	261	203		
RIGHTON 3 SSE	101	6-23	10	1-15	2-23	15	2-23	15	2-29	24	3-1	27	3-31	32	10-20	28	10-20	28	12-1	21	12-7	20	NONE	288	276	207	193		
RUSSELL 2 WNW	99	6-22	12	1-15	1-15	12	2-23	17	2-23	17	3-30	27	3-31	30	10-20	32	11-22	22	11-22	22	12-1	20	NONE	282	273	237	193		
STATE LINE	97	9-5	14	1-15	1-15	14	2-23	19	2-23	19	2-24	25	3-22	32	11-22	27	11-22	27	12-1	22	NONE	NONE			282	272	245		
WAYNESBORO 2 W	100	6-22	8	1-15	2-23	15	2-23	15	2-29	24	3-6	27	3-31	32	10-20	29	11-22	27	12-1	20	12-1	20	NONE	282	276	261	203		
* * *																													
COASTAL	10																												
BAY SAINT LOUIS	98	8-5	21	1-14	NONE	NONE	1-15	22	1-14	27	2-24	32	11-22	32	12-1	28	NONE	NONE	NONE	NONE	NONE	NONE			320	272			
BILOXI CITY	98	9-1	20	1-14	NONE	1-14	20	2-23	28	2-23	28	3-23	28	11-22	31	12-1	28	NONE	NONE	NONE	NONE	NONE			282	273			
GULFPORT NAVAL CENTER	98	8-31	20	1-14	NONE	1-14	20	2-23	27	2-24	32	11-22	32	12-1	28	NONE	NONE	NONE	NONE	NONE	NONE				282	272			
MERRILL	101	6-23	12	1-15	2-23	16	2-23	17	2-29	24	3-1	27	3-31	32	10-11	31	10-20	28	12-1	22	12-8	20	NONE	286	276	233	194		
PASCAGOULA CITY	98	9-3	21	1-15	NONE	NONE	1-15	21	2-23	28	2-23	28	-	-	12-1	27	NONE	NONE	NONE	NONE	NONE	NONE			282				
PEARLINGTON	98	8-4	17	1-1	NONE	-	1-14	18	2-23	23	2-23	23	2-29	30	11-22	30	12-1	27	NONE	NONE	NONE	NONE			282	267			
PICAYUNE	98	9-3	19	1-1	1-15	1-15	20	2-23	23	2-23	23	2-29	30	11-22	30	12-1	27	NONE	NONE	NONE	NONE	NONE			282	267			
POPLARVILLE EXP STA	98	8-22	16	1-1	1-15	1-15	17	1-15	21	2-23	23	2-24	32	11-22	29	12-1	25	NONE	NONE	NONE	NONE	NONE			282	272			
SAUCIER EXP FOREST	97	6-22	15	1-1	1-15	1-15	20	2-23	23	2-29	32	11-22	29	12-1	25	NONE	NONE	NONE	NONE	NONE	NONE	NONE			282	267			
WIGGINS 4 SE	99	6-23	14	1-15	1-16	19	2-24	18	2-25	21	2-29	26	3-27	30	10-20	30	11-22	26	12-1	22	NONE	NONE			280	267	207		

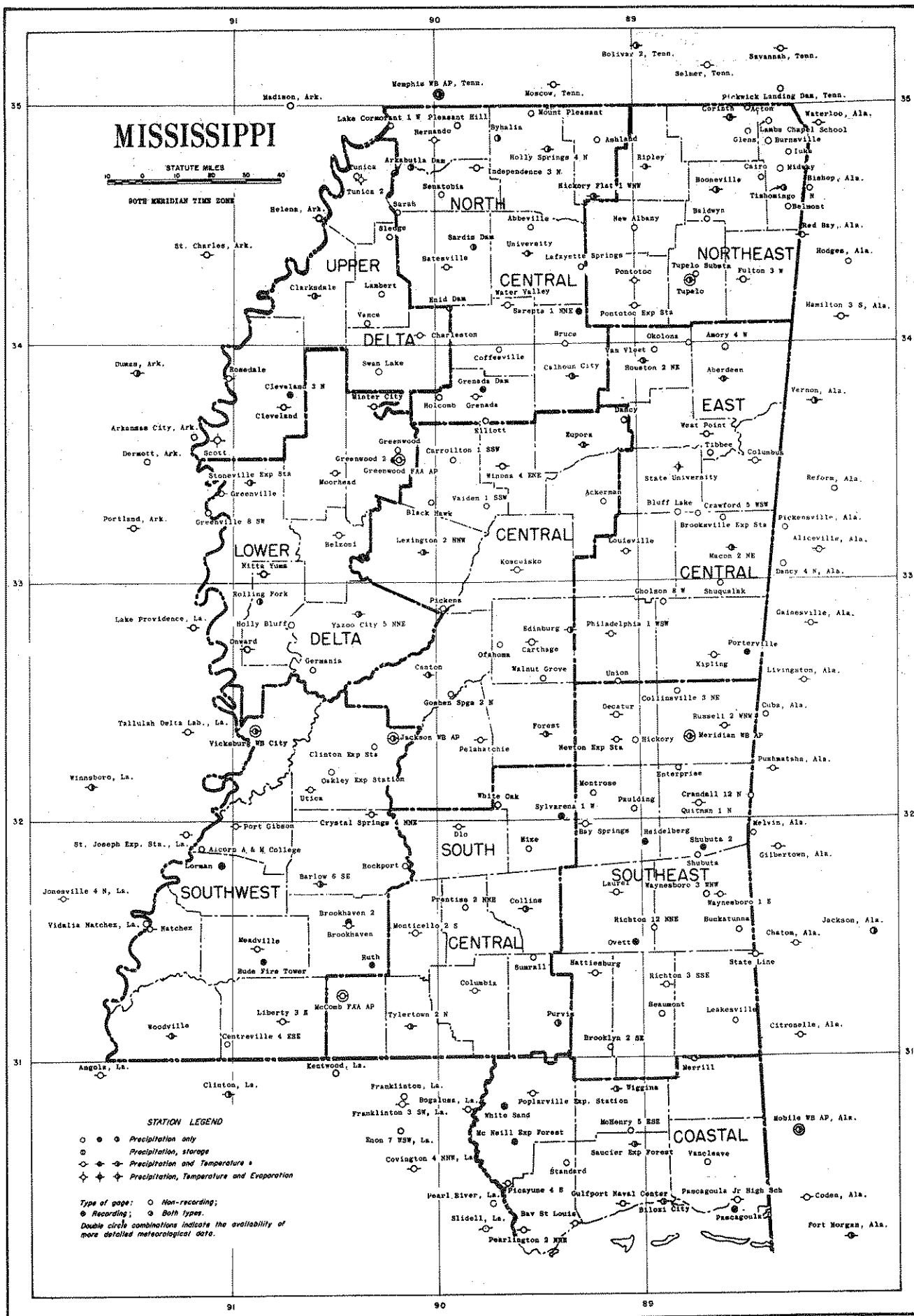
TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
UPPER DELTA 01														
SCOTT	EVAP	B 2.20	2.65	B 4.75	B 6.08	8.61	B10.28	B 8.68	7.20	7.23	4.49	B 2.84	B 1.79	66.80
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	1569	2189	2639	1991	1779	1523	912	723	1142	1175	1248	2366	19276
TUNICA 2	EVAP	-	-	-	-	B 8.38	8.23	7.78	7.61	B 6.27	5.11	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	2550	1604	1372	972	365	493	512	640	-	-
EAST CENTRAL 06														
STATE UNIVERSITY	EVAP	B 2.27	2.67	B 5.12	B 6.56	B 7.63	B 8.34	6.95	B 6.98	B 6.90	4.65	B 3.10	2.20	63.39
	DEP	-	- .66	.45	.64	.25	.51	- 1.15	- .95	.52	.09	.04	- .02	-
	WIND	1800	1921	2254	1593	1098	1054	1037	1092	1136	1280	1128	1845	17236

See reference notes following Station Index.

RECORDING STATIONS



COTTON: CONDITION AND SEASONAL DEVELOPMENT, MISSISSIPPI, BY DATES, 1964

Week Ending	Condition of Crop					Seasonal Development					Harvested
	Poor	Fair	Good	Very Good	Ex- cel- lent	Plant- ed	Up to Stand	Squar- ing	Small Bolls	Bolls Open	
	Percent of all Reports					Percent of total crop to or past Designated stage					
April 11						1.3					
18						2.6					
25						15.9	10.2				
May 2						27.4	15.5				
9	20.0	48.0	32.0			66.3	26.4				
16	5.0	55.2	37.3		3.0	91.5	61.8				
23	7.2	36.4	60.0		6.5	97.2	81.8				
30	4.0	40.0	52.0		4.0	99.6	92.7				
June 6	4.0	45.1	45.1		5.8	100.0	95.4	8.6			
13	5.0	45.8	47.4		1.8		97.0	23.0	3.2		
20	3.7	30.2	62.3		3.8		100.0	46.3	5.5		
27	1.5	43.3	55.2					62.5	9.8		
July 4		29.5	68.2		2.3			79.7	44.6		
11		26.5	63.3		10.2			91.0	63.9		
18	1.7	27.9	59.0		11.4			96.0	82.6		
25	1.9	11.3	77.4		9.4			99.4	93.7		
Aug. 1	1.7	12.0	72.4		13.9			98.4	95.1		
8		18.7	64.6		16.7			100.0	100.0		
15		16.6	66.8		16.6					4.2	
22		20.4	68.5		11.1					7.3	
29	3.8	11.5	76.9		7.8					8.1	
Sept. 5	1.6	23.4	68.8		6.2					29.2	4.1
12	2.2	17.4	73.9		6.5					31.5	7.9
19	1.8	21.8	70.9		5.5					57.7	14.3
26	2.4	9.4	72.0		16.2					65.8	21.1
Oct. 3	3.6	17.9	69.6		8.9					72.8	30.7
10	4.2	16.3	67.3		12.2					79.2	41.2
17	7.1	16.1	58.9		17.9					83.8	64.0
24	1.8	7.2	76.8		14.2					88.7	74.5
31	1.8	14.0	70.2		14.0					95.0	82.0
Nov. 7										100.0	90.0
14	CONDITION NOT REQUESTED AFTER THIS PERIOD										98.2 1/
21											

1/ Question on harvest not asked after this date.

CORN: CONDITION AND SEASONAL DEVELOPMENT, MISSISSIPPI, BY DATES, 1964

Week Ending	Condition of Crop					Seasonal Development					
	Poor	Fair	Good	Very Good	Ex- cel- lent	Plant- ed	Tassel- ed	Dough	Dent- ed	Mature	Harvest- ed
	Percent of all Reports					Percent of total crop to or past designated stage					
April 11						9.0					
18						14.8					
25						23.2					
May 2						26.5					
9	10.9	54.5	34.6			41.2					
16	2.9	46.4	46.4		4.3	61.5					
23	2.0	45.1	50.9		2.0	77.0					
30	2.2	44.4	53.4			86.4					
June 6		42.0	54.0		4.0	93.0					
13		52.7	43.6		3.7	95.0					
20	2.0	41.2	54.9		1.9	96.0					
27	12.7	46.5	40.8			96.8					
July 4	4.0	52.0	40.0		4.0	100.0	34.6	5.0			
11	5.7	28.8	52.0		13.5		56.8	10.0			
18		14.3	76.8		8.9		68.4	19.6			
25		17.5	63.2		19.3		83.0	30.8			
Aug. 1		14.8	67.2		18.0		89.2	42.8			
8		19.6	58.8		21.6		100.0	65.0	47.7		
15		17.9	55.4		26.7			88.0	56.0		
22		9.2	64.8		26.0			95.0	58.2		
29		14.2	67.4		18.4			100.0	69.2		
Sept. 5	3.3	16.7	66.7		13.3				88.6	54.3	1.0
12		34.1	57.4		8.5				100.0	60.2	3.6
19		25.5	65.4		9.1					68.0	10.6
26	3.3	18.0	70.5		8.2					73.5	10.9
Oct. 3		23.5	76.5							77.5	18.7
10	5.7	28.3	58.4	1.9	5.7					78.8	30.6
17	7.1	24.6	56.1		12.2					89.6	39.4
24	4.9	21.3	67.2		6.6					100.0	50.5
31	1.8	25.0	62.6		3.6						61.4
Nov. 7											73.1
14											82.0
21											87.5
28											93.2
Dec. 5											95.6
12											97.3
19											98.9
											1/

1/ Question on harvest not asked after this date.

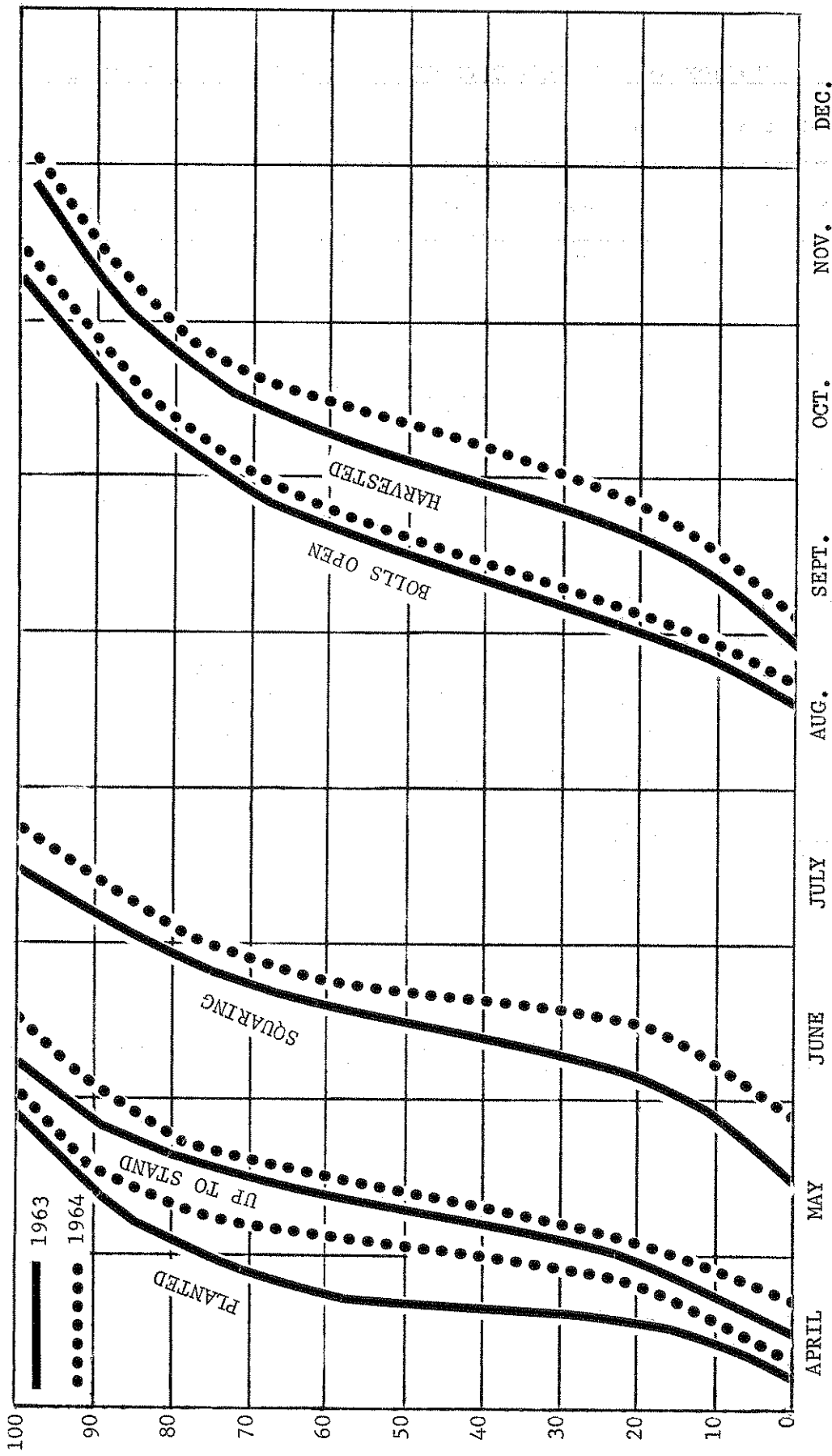
SOYBEAN: CONDITION AND SEASONAL DEVELOPMENT, MISSISSIPPI, BY DATES, 1964

Week Ending	Condition of Crop				Seasonal Development					
	Poor	Fair	Good	Very Good	Ex- cel- lent	Plant- ed	Blooming	Podding	Mature	Harvested
	Percent of all Reports					Percent of Crop to or past Designated Stag				
May 9	25.0	50.0	25.0			4.2				
16	10.0	45.0	45.0			11.4				
23	10.7	57.1	32.2			33.2				
30	5.9	58.8	32.4		2.9	68.8				
June 6		50.0	47.4		2.6	74.0				
13		55.6	42.2		2.2	79.5				
20	7.0	36.8	55.3			80.4				
27	1.8	63.2	35.0			83.5				
July 4		50.0	47.4		2.6	100.0				
11	2.5	40.0	55.0		2.5					
18		25.5	63.8		10.7		10.0			
25	2.1	25.5	68.1		4.3		20.6			
Aug. 1		22.9	72.8		4.3		35.8			
8	2.2	20.0	66.7		11.1		40.7	26.8		
15		23.4	61.7		14.9		59.1	30.5		
22		10.9	73.9		15.2		62.1	72.0		
29	2.7	24.3	56.8		16.2		74.0	87.1		
Sept. 5		15.6	75.5		8.9		100.0	95.0	1.2	
12		39.5	55.8		4.7			100.0	4.4	.1
19	2.2	35.5	55.6		6.7				12.0	2.5
26	2.3	22.7	68.2		6.8				20.1	2.5
Oct. 3	4.0	38.0	54.0		4.0				25.4	6.9
10	2.2	37.8	55.6		4.4				38.4	10.6
17		31.9	57.5		10.6				42.8	14.2
24	2.2	28.3	65.2		4.3				59.4	28.9
31									63.4	50.4
Nov. 7									88.9	68.0
14									100.0	78.9
21										87.5 ^{1/}

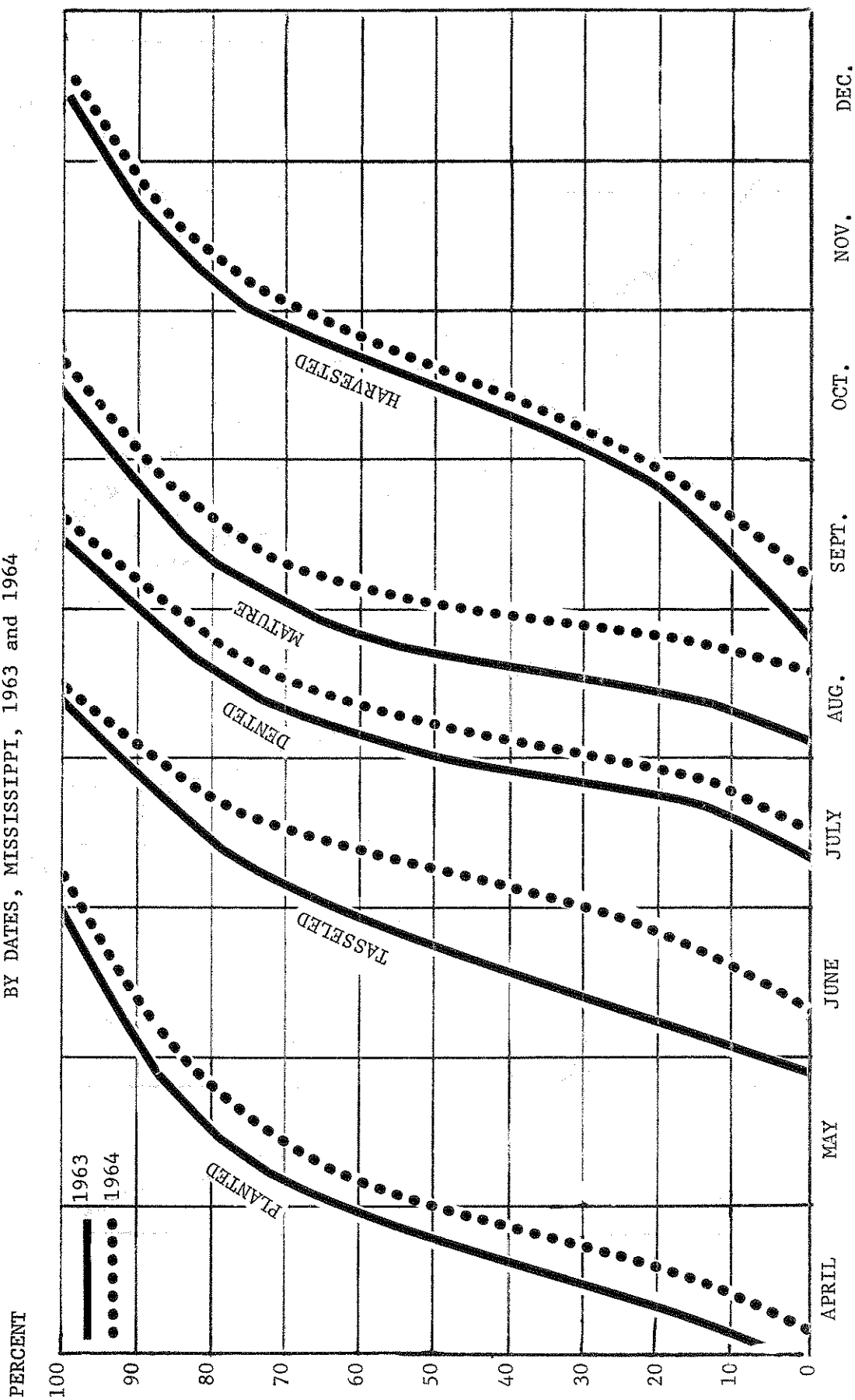
^{1/} Question on Percent harvested not asked after this date.

COTTON: PERCENT PLANTED, UP TO STAND, SQUARING, BOLLS OPEN AND HARVESTED,
BY DATES, MISSISSIPPI, 1963 AND 1964

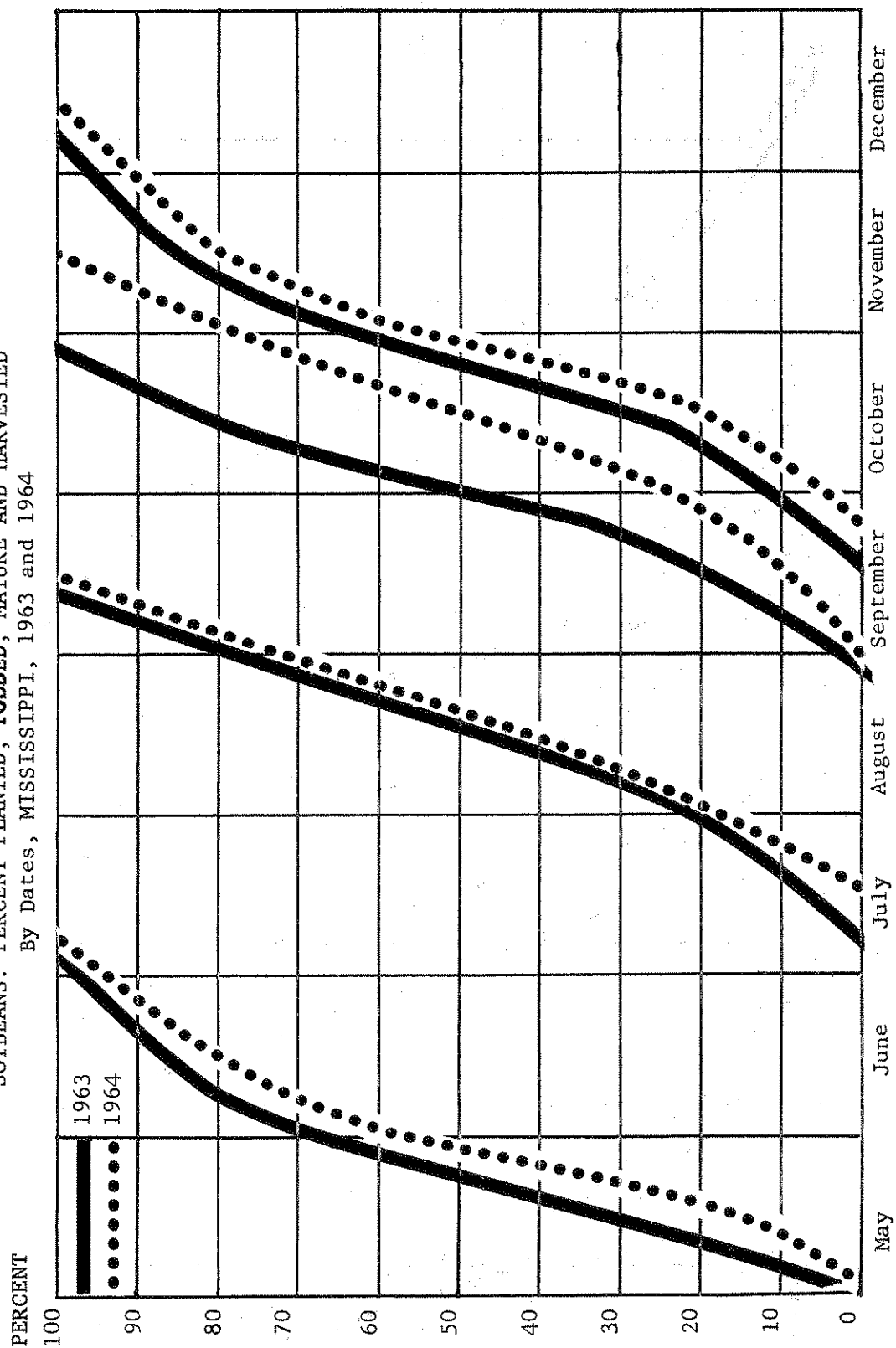
PERCENT



CORN: PERCENT PLANTED, TASSELED, DENTED, MATURE AND HARVESTED
BY DATES, MISSISSIPPI, 1963 and 1964



SOYBEANS: PERCENT PLANTED, **FODDED**, MATURE AND HARVESTED
By Dates, MISSISSIPPI, 1963 and 1964



WINTER WHEAT: CONDITION OF CROPS, MISSISSIPPI BY DATES, NOV. 1964 - APRIL 1965

WEEK ENDING	POOR	FAIR	GOOD	VERY GOOD
PERCENT OF ALL REPORTS				
Nov. 7	2.9	38.2	55.9	3.0
14	2.9	42.9	54.2	0.0
21	4.9	26.8	61.0	7.3
28	0.0	35.9	59.0	5.1
Dec. 5	2.8	30.6	66.6	0.0
12	5.6	16.7	75.0	2.7
19	6.4	44.7	48.9	0.0
26	0.0	60.0	40.0	0.0
Jan. 2	0.0	60.0	40.0	0.0
9	2.5	38.5	56.4	2.6
16	4.9	43.9	48.8	2.4
23	6.2	46.9	46.9	0.0
30	2.6	48.7	48.7	0.0
Feb. 6	9.1	54.5	36.4	0.0
13	2.4	56.1	39.0	2.5
20	5.0	52.5	42.5	0.0
27	8.1	54.1	37.8	0.0
Mar. 6	13.9	55.6	30.5	0.0
13	10.0	52.5	37.5	0.0
20	5.3	50.0	44.7	0.0
27	6.8	54.6	38.6	0.0
Apr. 3	5.4	40.5	51.4	2.7
10	0.0	29.5	67.6	2.9
17	0.0	46.2	53.8	0.0
24	0.0	40.6	59.4	0.0

WINTER WHEAT: CONDITION OF CROPS, MISSISSIPPI BY DATES, NOV. 1963 - APRIL 1964

WEEK ENDING	POOR	FAIR	GOOD	VERY GOOD
PERCENT OF ALL REPORTS				
Nov. 23	65.4	30.8	3.8	0.0
30	33.3	58.3	5.6	2.8
Dec. 7	25.0	53.1	21.9	0.0
14	14.8	59.3	25.9	0.0
21	7.7	65.4	23.1	3.8
28	30.0	50.0	20.0	0.0
Jan. 4	46.7	53.3	0.0	0.0
11	37.5	55.0	7.5	0.0
18	43.6	53.8	2.6	0.0
25	34.1	54.5	11.4	0.0
Feb. 1	22.0	63.4	14.6	0.0
8	20.5	63.6	15.9	0.0
15	20.0	70.0	10.0	0.0
22	20.0	60.0	20.0	0.0
29	23.9	58.7	15.2	2.2
Mar. 7	16.3	60.5	23.2	0.0
14	4.7	51.2	41.9	2.2
21	2.8	45.8	51.4	0.0
28	0.0	50.0	50.0	0.0
Apr. 4	0.0	45.9	54.1	0.0
11	0.0	41.7	50.0	8.3
18	0.0	39.5	50.0	10.5
25	2.2	28.9	66.7	2.2

WINTER OATS: CONDITION OF CROPS, MISSISSIPPI BY DATES, NOV. 1964 - APRIL 1965

WEEK ENDING	POOR	FAIR	GOOD	VERY GOOD
PERCENT OF ALL REPORTS				
Nov. 7	8.1	6.1	36.7	55.1
14	3.9	49.0	43.2	3.9
21	6.5	34.4	55.8	3.3
28	0.0	40.8	53.1	6.1
Dec. 5	1.9	35.8	58.5	3.8
12	3.1	31.8	60.3	4.8
19	6.7	45.0	46.7	1.6
26	10.0	50.0	30.0	10.0
Jan. 2	0.0	52.2	47.8	0.0
9	1.7	34.5	60.3	3.5
16	7.1	42.1	45.5	5.3
23	4.8	52.4	42.8	0.0
30	5.3	52.6	42.1	0.0
Feb. 6	12.2	59.2	28.6	0.0
13	3.2	63.5	31.7	1.6
20	7.0	52.6	40.4	0.0
27	9.6	61.5	28.9	0.0
Mar. 6	18.0	58.0	24.0	0.0
13	16.7	57.1	26.2	0.0
20	10.4	58.3	31.3	0.0
27	8.9	60.7	30.4	0.0
Apr. 3	4.3	55.3	40.4	0.0
10	2.0	40.0	56.0	2.0
17	3.8	42.3	51.9	2.0
24	0.0	43.8	56.2	0.0

WINTER OATS: CONDITION OF CROPS, MISSISSIPPI BY DATES, NOV. 1963 - APRIL 1964

WEEK ENDING	POOR	FAIR	GOOD	VERY GOOD
PERCENT OF ALL REPORTS				
Nov. 23	65.8	29.3	4.9	0.0
30	38.3	55.3	4.3	2.1
Dec. 7	22.2	61.1	16.7	0.0
14	15.7	68.6	15.7	0.0
21	27.8	50.0	19.4	2.8
28	18.8	75.0	6.2	0.0
Jan. 4	51.6	48.4	0.0	0.0
11	42.7	52.9	4.4	0.0
18	53.2	45.2	1.6	0.0
25	40.3	51.4	8.3	0.0
Feb. 1	29.5	65.6	4.9	0.0
8	24.2	67.2	8.6	0.0
15	22.9	68.8	8.3	0.0
22	24.5	64.4	11.1	0.0
29	31.0	55.2	13.8	0.0
Mar. 7	21.2	63.6	15.2	0.0
14	9.3	64.8	24.0	1.9
21	9.6	53.9	32.7	3.8
28	5.0	51.7	41.7	1.6
Apr. 4	5.8	50.0	42.3	1.9
11	3.6	47.3	54.4	3.7
18	6.4	40.4	46.8	6.4
25	4.9	45.9	47.6	1.6

PASTURE AND LIVESTOCK: CONDITION, MISSISSIPPI, BY DATES, 1964

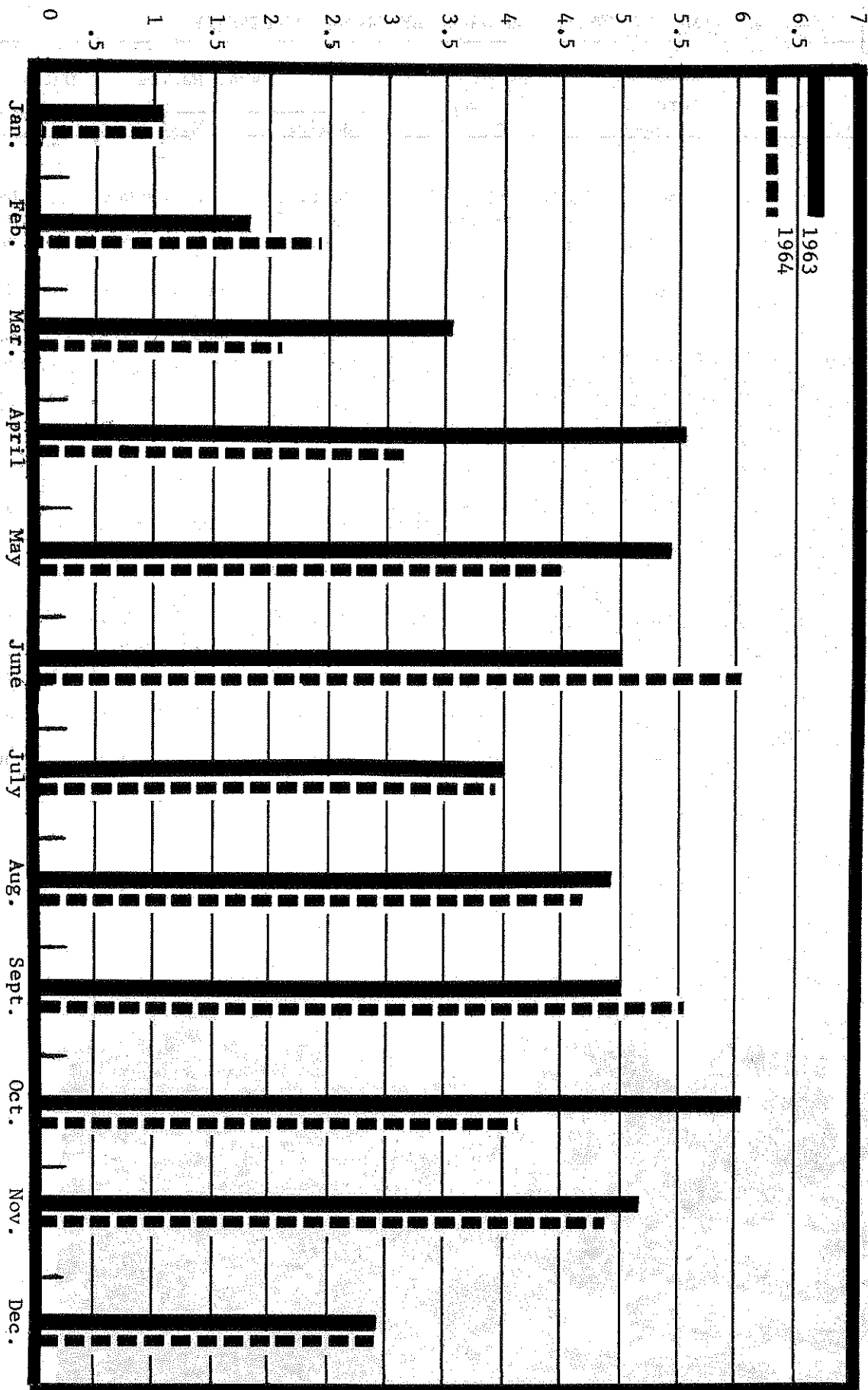
Condition of Pasture						Condition of Livestock				
Week Ending	Very Poor	Poor	Fair	Good	Excellent	Very Poor	Poor	Fair	Good	Excellent
Percent of all Reports						Percent of all Reports				
Jan. 4	21.7	65.0	11.7	1.6		1.6	12.5	79.6	6.3	
11	20.6	60.3	17.5	1.6		1.4	10.0	75.7	12.9	
18	23.4	62.5	14.1				20.8	70.8	8.4	
25	14.5	59.4	26.1			1.4	15.5	71.8	12.7	
Feb. 1	17.9	67.9	14.2			1.4	14.4	72.6	11.6	
8	18.2	60.0	21.8			6.1	16.6	69.7	7.6	
15	14.0	76.7	9.3			2.0	20.0	72.0	6.0	
22	17.1	70.7	12.2			2.1	21.2	66.0	10.7	
29	16.4	59.0	23.0	1.6		1.5	24.2	65.2	9.1	
Mar. 7	16.9	55.4	27.7			1.5	23.5	69.1	5.9	
14	10.7	39.3	46.4	3.6		6.3	14.3	66.7	12.7	
21	5.8	36.5	46.2	11.5		1.9	20.7	64.2	13.2	
28	1.7	38.3	50.0	10.0			19.4	67.7	12.9	
Apr. 4	1.8	22.8	63.1	10.5	1.8		8.6	79.3	12.1	
11	1.7	11.7	70.0	15.0	1.6	1.6	9.8	72.2	16.4	
18		12.0	58.0	28.0	2.0		4.0	68.0	28.0	
25		1.3	42.7	52.0	4.0		1.4	52.2	46.4	
May 2			38.7	54.8	6.5		1.7	41.7	53.3	3.3
9			36.9	58.5	4.6		1.6	40.6	54.7	3.1
16			27.9	66.2	5.9			34.3	64.2	1.5
23		3.7	44.4	48.2	3.7			38.5	59.6	1.9
30		2.0	45.1	49.0	3.9			36.0	62.0	2.0
June 6		1.8	47.3	45.5	5.4			27.3	65.9	6.8
13	1.8	8.8	66.5	21.1	1.8		1.9	45.3	50.9	1.9
20	1.9	9.6	63.5	25.0				50.0	50.0	
27	3.0	13.4	58.2	22.4	3.0		1.8	43.9	54.3	
July 4		21.3	44.7	34.0			2.2	51.1	46.7	
11		6.0	42.0	50.0	2.0		2.1	25.0	70.8	2.1
18		1.7	23.7	62.7	11.9			14.6	79.2	6.2
25		1.8	24.6	66.6	7.0		2.0	13.7	84.3	
Aug. 1		1.7	27.6	63.8	6.9			17.3	82.7	
8		2.2	24.4	62.2	11.2		2.2	13.3	80.0	4.5
15		1.8	24.6	57.8	15.8			11.1	75.9	13.0
22			13.2	67.9	18.9			2.2	82.6	15.2
29		2.1	12.2	71.4	14.3		2.1	10.4	77.1	10.4
Sept. 5		1.7	26.7	66.6	5.0			15.8	80.7	3.5
12		8.0	34.0	52.0	6.0			27.7	70.2	2.1
19		14.8	47.5	36.1	1.6			30.9	67.3	1.8
26	1.6	4.2	49.2	41.0	3.3		1.6	26.2	68.8	3.4
Oct. 3		9.3	40.7	48.1	1.9			22.2	74.1	3.7
10		9.8	29.4	60.8				20.0	76.0	4.0
17		3.5	42.9	51.8	1.8			20.0	74.5	5.5
24		8.3	51.7	40.0			1.6	27.9	68.9	1.6
31		10.7	60.7	26.8	1.8			35.7	62.5	1.8
Nov. 7	1.8	12.3	63.1	22.8			3.7	31.5	64.8	
14	2.0	10.2	71.4	14.4	2.0			39.6	58.3	2.1
21		19.7	45.9	34.4			5.0	35.0	60.0	
28	2.3	20.9	60.5	16.3			2.1	39.5	56.3	2.1
Dec. 5	4.0	32.0	46.0	18.0			7.4	46.3	46.3	
12	3.2	28.6	50.7	17.5			1.6	45.9	52.5	
19	3.4	37.3	47.5	11.8			4.7	57.8	37.5	
26	12.5	12.5	75.0					55.6	44.4	

MISSISSIPPI: PECANS, CONDITION OF CROP DURING 1964

CONDITION OF CROP						
Week Ending	Very Poor	Poor	Fair	Good	Very Good	Ex- cellent
PERCENT OF ALL REPORTS						
July 4	3.1	21.9	50.0	25.0		
11	2.9	17.1	48.6	28.6		2.9
18	9.1	6.1	51.5	33.3		
25	7.5	15.0	42.5	32.5		2.5
Aug. 1	2.4	14.3	54.7	28.6		
8	4.9	14.6	48.8	29.3		2.4
15	2.3	18.2	31.8	43.2		4.5
22	2.3	22.7	34.1	36.4		4.5
29	7.7	20.5	41.0	28.2		2.6
Sept. 5	4.1	22.4	44.9	26.5		2.1
12	8.8	26.5	47.1	17.6		
19	9.8	19.5	43.9	24.4		2.4
26	4.7	23.3	44.2	27.9		
Oct. 3	2.5	25.0	45.0	25.0		2.5
10	4.7	39.5	34.9	18.6		2.3
17	8.9	31.1	35.6	24.4		
24	9.8	33.3	37.3	17.6		2.0
31	9.1	22.7	47.7	20.5		
Nov. 7	9.5	42.9	31.0	16.6		
14	8.9	42.2	37.8	8.9		2.2
21	6.3	33.3	45.8	12.5		2.1



MISSISSIPPI: Average No. of Days Suitable for Field Work per Week During 1963 and 1964, by Months



USUAL PLANTING AND HARVESTING DATES BY CROPS, MISSISSIPPI

CROP	1964 Harvested Acreage (000)	Usual Planting Dates	Usual Harvesting Dates		
			Begins	Most Active	Ends
Corn, Grain	689	Apr. 1-May 31	Sept. 1	Oct. 15-Nov. 15	Dec. 15
Silage	26	May 1-June 30	July 20	Aug. 15-Sept. 15	Sept. 25
Forage	15	May 1-June 28	Aug. 1	Sept. 1-Oct. 1	Nov. 1
Cotton	1,460	Apr. 10-May 20	Sept. 5	Sept. 20-Oct. 20	Nov. 30
Cowpeas for peas	5	Apr. 20-June 20	July 25	Aug. 15-Sept. 15	Sept. 30
Hay, Alfalfa	10		May 15		Sept. 30
Clo-tim	75		May 20		July 31
Lespedeza	135		Aug. 1		Oct. 15
Oats, Fall sown	100	Sept. 25-Nov. 5	May 20	June 1-June 10	June 20
Spring sown		Feb. 15-Mar. 15	June 1	June 10-June 20	June 30
Peanuts for nuts	3.5	Apr. 15-May 25	Aug. 20	Sept. 5-Sept. 20	Oct. 10
Rice	49	Apr. 15-May 31	Sept. 10	Oct. 1-Oct. 15	Nov. 15
Sorghum, Grain	8	May 1-June 30	Sept. 15	Oct. 15-Nov. 15	Nov. 30
Silage	24	May 1-June 30	July 15	Aug. 15-Sept. 15	Sept. 20
Soybeans	1,370	May 1-June 20	Sept. 10	Oct. 15-Nov. 15	Dec. 15
Wheat, winter	153	Oct. 1-Nov. 5	June 1	June 5-June 15	June 25



TABLE OF CONTENTS

	PAGE
1963 Crop Summary.	2
1964 Crop Summary.	4
Climate of Mississippi	7
Mean Temperature and Precipitation	9
Freeze Data	10
Freeze Date	11
Temperature Extremes and Freeze Data.	12
Total Evaporation and Wind Movement.	13
Recording Stations.	14
Cotton, Condition and Seasonal Development, 1964	15
Corn, Condition and Seasonal Development, 1964.	16
Soybeans, condition and Seasonal Development, 1964	17
Cotton, Seasonal Development, 1963 and 1964.	18
Corn, Seasonal Development, 1963 and 1964.	19
Soybeans, Seasonal Development, 1963 and 1964.	20
Condition of Winter Wheat 1963 and 1964.	21
Condition of Oats 1963 and 1964.	22
Condition of Pasture and Livestock	23
Condition of Pecans.	24
Average No. of Days Suitable for Field Work during 1963 and 1964	25
Usual Planting and Harvesting Dates of Crops	26

